REMOVAL AND DISPOSAL REPORT
X-208 through X-210 Test Cell Slabs and Exhauster Tunnels

Pratt & Whitney
Andrew Willgoos Turbine Laboratory
Pent Road
East Hartford, Connecticut

May 2014

Prepared for

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ACRONYMS/ABBREVIATIONS

CFR	Code of Federal Regulations
CTDEEP	Connecticut Department of Energy & Environmental Protection
EPA	United States Environmental Protection Agency
Loureiro	Loureiro Engineering Associates, Inc.
MSL	Mean Sea Level
P&W	Pratt & Whitney
PCB	Polychlorinated Biphenyl
RCSA	Regulations of Connecticut State Agencies
RCRA	Resource Conservation and Recovery Act
UIS	United Industrial Services, Inc.
USDA	United States Department of Agriculture
UTC	United Technologies Corporation

UNITS

mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram

1. INTRODUCTION

Pratt & Whitney retained Loureiro Engineering. Associates, Inc. (Loureiro) to document the removal activities of building materials containing polychlorinated biphenyls (PCBs) such as caulk and mastic as well as PCB-impacted concrete located within for the X-208 through X-210 Test Cell slabs and exhauster tunnels (hereinafter referred to as the "Project Area") at the Pratt & Whitney Andrew Willgoos Turbine Laboratory (Willgoos) (hereinafter referred to as the "Site") located at One Pent Road, East Hartford, Connecticut. The activities described herein were performed within the former ground level slabs and subsurface exhaust structures of the specified test cells of the Willgoos facility. A Site Location Map is provided as Figure 1-1. The Owner of the Site is Pratt & Whitney, a United Technologies Corporation (UTC) Company.

The subject area for this document is the X-208 through X-210 Test Cell ground level slabs, the X-208 Test Cell exhauster tunnel and a conjoined basement area of the X-210 Test Cell, which underlies the main Willgoos building. The southern portion of the X-210 Test Cell basement is part of the X-208 Test Cell exhauster tunnel. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement. Figure 1-2 provides a site plan showing the Project Area Location at the Site.

1.1 Purpose and Scope

The main portion of the Site has undergone demolition and PCB-containing building materials (i.e., caulk and paint) and PCB-impacted concrete that have been encountered have been managed by Pratt & Whitney as a PCB Bulk Product Waste following the requirements of Title 40 of the Code of Federal Regulations (CFR) Parts 761.60 and 761.62 or were removed as PCB Remediation Waste as part of a performance-based disposal activity pursuant to 40 CFR Part 761.61(b).

The overall remedial objective was to address the building materials, concrete walls and concrete slabs within the Project Area that contained or were impacted by PCBs at concentrations greater than 1 milligram per kilogram (mg/kg). The selected approach was to physically remove from the Project Area, and properly dispose of building materials and concrete impacted with PCB concentrations in excess of 1 mg/kg for the locations within four feet of the ground surface and in excess of 10 mg/kg for the locations at depths greater than four feet of the ground surface.

The removal approach was designed to effectively remove building materials impacted with PCBs at concentrations in excess of the applicable criteria via methods such as demolition and offsite disposal and dry scarification and offsite disposal. For building structures located above

ground surface the general approach for removal was demolition and offsite disposal. For building structures and materials located at or below ground surface the general approach for removal consisted of dry scarification and offsite disposal with some situations resulting in complete removal by demolition and offsite disposal.

1.2 Report Organization

This report is comprised of the main body of the report, tables, figures, and associated appendices. Tables, figures, and an appendix relevant to the main body of the report are provided following the main text of the report. Tables and figures are numbered with the section number where the item is referenced and sequentially based on the appearance in the section where it is referenced.

2. BACKGROUND INFORMATION

The overall plan for the Site is to demolish the above grade structures of the main Willgoos facility. However, portions of the concrete structure of the X-208 through X-210 Test Cells and exhauster tunnels remained in place below grade following the completion of Site demolition activities. Demolition of portions of Site buildings above or near the X-208 through X-210 Test Cells exhauster tunnels required that the below grade portions of the tunnel structures be backfilled to provide adequate support for the demolition equipment. Remediation of PCB impacts within the exhauster tunnel outside of the building footprint and associated below-grade structures was performed prior to backfilling. A general description of the Site and Project Area are presented below.

2.1 Site Location and Description

The Site, located on Pent Road in East Hartford, Connecticut, in Hartford County, is owned by Pratt & Whitney Aircraft Division of UTC. The Site is bounded by:

- to the north formally by the Texaco Oil Company Bulk Tank Farm; currently by Goodwin College
- to the east by High Street followed by residential properties and a new magnet school;
- to the south by the High Court Apartment Complex and residential properties; and
- to the west by the Connecticut River.

Based on a review of the Town of East Hartford Zoning Summary Map, dated August 1999 and maintained by the Town of East Hartford, zoning for the Project Area is designated as I-3, industrial. The areas surrounding the Project Area to the south, southeast, east, and northeast are zoned for a mixture of residential and business use. Some land uses of note within two miles of the Project Area include six schools, ranging from elementary to college level, three parks, and at least two cemeteries.

2.2 Environmental Setting

This section describes the general physical and environmental setting of the Site and surrounding area. The Site is situated approximately 40 feet above mean sea level (MSL), and local topography generally slopes to the west toward the Connecticut River, which abuts the western boundary of the Site.

Surficial soil material covering the Site has been identified as primarily the Udorthents-Urban Land Complex, according the United States Department of Agriculture (USDA) (USDA, 2004). The Udorthents-Urban Land complex consists of areas that have been altered by cutting and filling, and impervious areas. These areas are typically used for highways, interchanges, and closely-spaced residential housing. New Haven and Enfield Soils with 0 to 3 percent slopes cover four acres of the Site on the northern end and are considered non-wetland soils. A strip of Winooski Silt Loam, a floodplain soil, borders the Connecticut River on the Site's western side. ({Connecticut Department of Energy & Environmental Protection} CTDEEP, 1995; USDA, 2004).

Characterization of the hydrogeology of the Site has been limited to the upper zone of the unconsolidated aquifer. The available geologic boring logs indicate that the upper aquifer ranges in thickness between 14 to 22 feet below ground. The glaciolacustrine deposits act as a local confining unit and would limit hydraulic communication between the sandier deposits above the silt and clay of the glaciolacustrine materials and deeper zones in the unconsolidated aquifer.

Groundwater flow directions at the Site have been calculated based on the measured depth to water in over 100 shallow groundwater monitoring wells at the Site. Groundwater elevations, as measured during multiple groundwater monitoring events at on-site monitoring wells between 1995 and 2001, indicate that groundwater flow is generally toward the south in the northeast portion of the Site, shifting toward the southwest nearer the Connecticut River.

2.3 Project Area Description

The Project Area is located on the east side of the main Willgoos Laboratory. The Project Area was formerly used for the venting of the exhaust from jet engine tests performed in the X-207 through X-210 Test Cells. Exhaust was conveyed through pipes exiting each of the test cells into the concrete tunnel. The tunnels consist of concrete walls, floors and ceilings at depths of up to 16 feet below ground surface. The X-210 Test Cell portion of the tunnel is constructed the same as the X-208 through X-209 Test Cell exhauster tunnels with the exception that it was constructed to a depth of 8 feet below ground surface.

2.3.1 X-208 Test Cell

The X-208 Test Cell was an altitude chamber, equipped with an altitude test stand, designed for testing full-scale gas-turbine engines, afterburner component test rigs, and miscellaneous test rigs. Air required to operate the engine could be drawn directly from the atmosphere through the inlet ducting system or supplied under pressure from the Willgoos Laboratory air compressor units. The inlet air could be cooled through the Willgoos Laboratory air refrigeration system or

heated through the atmospheric inlet heater located outside the laboratory building. Engine exhaust could be discharged to the internal powerhouse exhauster units or to the exhauster silencer pit located east of the Willgoos Laboratory building.

2.3.2 X-209 Test Cell

The X-209 Test Cell was a gas-turbine engine test facility used to develop turbojet and turbofan engines and individual afterburner component rigs under simulated altitude and flight speed conditions. Air required to operate the test engine could be drawn directly from the atmosphere through the inlet ducting system or supplied under pressure from the Willgoos Laboratory air compressor units. The inlet air could be cooled through the Willgoos Laboratory air refrigeration system or heated through two Todd Burners located adjacent to the test cell. Engine exhaust could be discharged to the exhauster units situated within the internal powerhouse of the Willgoos Laboratory or to the exhauster silencer pit located east of the Willgoos Laboratory building.

2.3.3 X-210 Test Cell

The X-210 Test Cell was a full-scale engine test stand designed to test gas-turbine engines at simulated sea-level or altitude flight conditions up to Mach 3 where the entire engine was not required to be enclosed in an altitude chamber.

2.4 **Building Material Sampling Summary**

During the time frame between October 2009 and April 2013, investigation and remediation activities were conducted within the Project Area by AECOM, Loureiro, United Industrial Services, Inc. (UIS) and Clean Harbors Environmental Services, Inc. (Clean Harbors). Investigation activities included: building material sampling, concrete chip sampling, and soil sampling. Based on the results of the investigations described below, removal activities which included the removal of PCB-containing building materials (i.e., caulk and mastic), removal of PCB-impacted concrete and PCB impacted soil.

During the investigations of the exhauster tunnels and basements by AECOM, PCB-containing building material (mastic) was identified on a portion of the south wall of the X-208 Test Cell exhauster tunnel at a maximum concentration of 60.3 mg/kg. In addition PCB-containing building material (caulk) was identified along the entire southern and western walls and a portion of the northern wall of the X-210 Test Cell basement wall, which is part of the X-208 Test Cell exhauster tunnel, at a maximum concentration of 9,020 mg/kg.

2.4.1 X-208 Test Cell

During the time frame between October 2009 and November 2010, 13 paint chip samples were collected and analyzed from interior painted concrete surfaces on the Ground Level and the Mid Level of the X-208 Test Cell. In addition, a single paint chip sample was collected and analyzed from the painted exterior metal doors of the test cell. PCBs were detected in the paint chip samples submitted from the interior painted surfaces at concentrations ranging between 7.08 mg/kg and 62.18 mg/kg. PCBs were detected in the paint chip sample submitted from the exterior painted doors at a concentration of 860 mg/kg.

In August 2013, eight concrete chip samples within the basement of the X-208 Test Cell. Concrete chip samples NW-CC-1974 through NW-CC-1977 were collected to further delineate the extent of PCB impacted concrete in the vicinity of AECOM sampling location CW-X208-CCF-B05 which was collected from the concrete footer of south wall. A single concrete chip sample was collected from the footing to the east and the west of sampling location CW-X208-CCF-B05 and two sample were collected from the wall surface at 1.5 feet up from the footing and from within 4 feet of the ground surface. Concrete chip sample NW-CC-1999 was collected in the vicinity of AECOM sampling location CW-X208-CCF-A06 to further delineate the extent of PCB impacted concrete. Concrete chip sample location NW-CC-1999 was collected from the wall in the vicinity of AECOM sampling location CW-X208-CCF-A06 within 4 feet of the ground surface. PCBs were detected in all 8 concrete chip samples submitted for analysis at concentrations ranging between 0.561 mg/kg to 6.88 mg/kg.

2.4.2 X-209 Test Cell

During the time frame between October 2009 and September 2010, six paint chip samples were collected and analyzed from interior painted concrete surfaces of the Ground Level and the Mid Level of the X-209 Test Cell. In addition, a single paint chip sample was collected and analyzed from the painted exterior metal doors of the test cell. PCBs were detected in the paint chip samples submitted from the interior painted surfaces at concentrations ranging from 46.1 mg/kg to 95.9 mg/kg. PCBs were detected in the paint chip sample submitted from the exterior painted doors at a concentration of 278 mg/kg. In October 2009, two concrete samples were collected and analyzed from the Ground Level floor and walls of the test cell. PCBs were detected at concentrations ranging from 4.65 mg/kg and 6.53 mg/kg.

In August 2013, one concrete chip sample was collected in the vicinity of AECOM sample location CW-RTA11-CCF-F03 on the south wall of the X-209 Test Cell in an effort to delineate PCB impacts to the floors and walls. PCBs were detected at a concentration of 0.561 mg/kg.

2.4.3 X-210 Test Cell

During the time frame between October 2009 and September 2010, 15 paint chip samples were collected and analyzed from interior painted concrete surfaces on the Ground Level and the Mid Level of the X-210 Test Cell. In addition, four paint chip samples were collected and analyzed from the painted metal ductwork of the test cell and a single sample was collected from the painted exterior door. PCBs were detected in the paint chip samples submitted from the interior painted concrete surfaces at concentrations ranging from 7.06 mg/kg to 73.6 mg/kg. PCBs were detected in the paint chip sample submitted from the exterior painted door at a concentration of 7.06 mg/kg. In October 2009, two concrete samples were collected and analyzed from the Ground Level floor and walls of the test cell. PCBs were detected at concentrations of 1.46 mg/kg and 3.99 mg/kg.

2.5 **Potential PCB Sources**

The Willgoos facility was used for the testing of aircraft engine components and complete engines from its construction in the late 1940s until 2003. As an aircraft engine and engine component test facility, the operations involved the handling and use of jet fuels, petroleum products, solvents, and other hazardous materials. Some of the materials handled and used at the Site included PCBs. The two primary sources of PCBs included building materials and high temperature lubricating oil for the Clarke air compressors. The source(s) of the PCBs identified in the X-208 through X-210 Test Cell exhauster tunnels are not definitively known. However, three potential sources have been identified and include the following:

- PCBs have been detected in paint on the walls of the test cells in this area at concentrations ranging from 7.08 to 147 mg/kg. Peeling paint had been observed in the X-207, X-208 and X-209 Test Cells and may have been transported through the test cell exhauster pipes to the tunnel by rainwater, which may have entered the building.
- Caulk was found along the entire southern and western walls of the X-210 Test Cell basement and portions of the northern wall with a total PCB concentration of 9,020 mg/kg. This caulk was placed on joints between the walls and ceiling and walls and concrete support columns along the southern and western walls. Limited quantities of the same caulk were found along a portion of the northern wall in the joints between the walls and ceiling.
- Mastic was found along the southern wall of the X-208 Test Cell exhauster tunnel near the main Willgoos Laboratory building. This material was placed along the joints between the wall and ceiling, wall and floor, and at locations between walls where there

was a bend in the structure. The mastic material had a total PCB concentration of 60.3 mg/kg.

3. BUIILDING MATERIAL REMOVAL ACTIVITIES

Between April 2011 and April 2013, Clean Harbors, Loureiro, Red Tech, and UIS under contract to Pratt & Whitney, completed the removal activities for PCB-containing building materials and PCB-contaminated concrete in the Project Area. Post removal sampling and waste management are discussed in later sections of this report.

3.1 X-208 Test Cell Exhauster Tunnel Mastic Removal

Based on analytical information obtained from investigations of the Project Area performed by AECOM, PCBs were detected in mastic along the southern wall of the X-208 Test Cell exhauster tunnel near the main Willgoos Laboratory building. This material was located along the joints between the wall and ceiling, wall and floor, and at locations between walls where there was a bend in the structure. The mastic material had total PCB concentrations of greater than 10 mg/kg. The mastic removal area is shown on Figure 3-1.

In May 2011, approximately 86 linear feet of mastic coating was removed from a section of the southwest concrete wall of X-208 Test Cell exhauster tunnel. The mastic and concrete were removed by Clean Harbors via scarification to an approximate depth of 1/16 to 1/8 of an inch and the resulting waste material was disposed of offsite as PCB Bulk Product Waste.

3.2 X-208 Test Cell Exhauster Tunnel Caulk Removal

Based on analytical information obtained from investigations of the Project Area performed by AECOM, PCBs were detected in caulk and concrete along the south, west and portions of the north wall of the southern portion of the X-210 Test Cell basement at concentrations greater than 10 mg/kg. The southern portion of the X-210 Test Cell basement is part of the X-208 Test Cell exhauster tunnel.

In December 2011, approximately 210 linear feet of caulk and the surrounding concrete were manually removed from the south wall of the southern portion of the X-210 Test Cell and the resulting waste material was disposed of offsite as PCB Bulk Product Waste. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement. The locations of the caulk removal are shown on Figure 3-1.

3.3 X-208 Test Cell

Due to the concentration of PCBs detected in both paint chip and concrete chip samples, removal activities were performed on the X-208 Test Cell as part of the Willgoos Demolition Project. In

July 2011, exterior and interior painted concrete walls and roof were demolished and the resulting concrete rubble was disposed of offsite as PCB Bulk Product Waste. In August 2011, the Ground Level floor was demolished and disposed of offsite as PCB Remediation Waste as part of the Willgoos Demolition Project. In December 2012, Red Tech performed additional activities within the X-208 Test Cell basement to remove any remaining concrete debris for disposal as PCB Remediation Waste.

Due to the concentrations of PCBs detected in the concrete chip samples on the basement walls and floors, scarification and removal activities were performed and the resulting concrete material disposed of offsite as PCB Remediation Waste.

3.4 X-209 Test Cell

Due to the concentration of PCBs detected in both paint chip and concrete chip samples, removal activities consisting of the following were performed on the X-209 Test Cell as part of the Willgoos Demolition Project. In July 2011, exterior and interior painted concrete walls and roof were demolished and the resulting concrete rubble was disposed of offsite as PCB Bulk Product Waste. In March 2013, the Ground Level floor was demolished and disposed of offsite as PCB Bulk Product Waste.

3.5 X-210 Test Cell

Due to the concentration of PCBs detected in both paint chip and concrete chip samples, removal activities were performed on the X-210 Test Cell as part of the Willgoos Demolition Project. During the time frame between June 2011 and July 2011, the exterior concrete walls and roof were demolished and the resulting concrete rubble was disposed of offsite as PCB Bulk Product Waste. In March 2013, the Ground Level floor was demolished and shipped offsite as PCB Bulk Product Waste.

3.6 X-208 Test Cell Exhauster Tunnel Concrete Removal

Between March and April 2013, the south, west and portions of the north wall as well a small portion of the floor of the X-208 Test Cell exhauster tunnel, which is also the southern portion of the X-210 Test Cell basement, were removed for offsite disposal as PCB Remediation Waste. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement. The concrete removal areas are shown on Figure 3-2.

4. POST REMOVAL AND DELINEATION SAMPLING

Removal activities were accomplished either by scarification or complete removal of the subject material (i.e. caulk, mastic, or PCB-contaminated concrete). Following the completion of the scarification activities, confirmatory concrete samples were collected of the affected areas. Confirmatory samples of concrete were collected to confirm that residual PCB concentrations did not exceed 1 mg/kg if the removal area was within 4 feet of the ground surface or 10 mg/kg if the removal area was deeper than 4 feet below ground surface. Confirmatory concrete sampling was performed to document the adequacy of the removal measures as performed at the Project Area. Additional concrete samples were also collected in an effort to further delineate the extent of PCB-impacted concrete in a portion of the X-208 Test Cell exhauster tunnel which is also the southern portion of the X-210 Test Cell basement. A summary of the sampling and analytical information is described below.

4.1 X-208 Test Cell Exhauster Tunnel Mastic Removal

On May 24, 2011, Loureiro personnel collected 17 concrete chip samples (NW-CC-607 through NW-CC-623) from the area in which mastic and underlying concrete were removed from within the X-208 Test Cell exhauster tunnel. The sampling locations are shown on the attached Figure 4-1.

Verification sampling upon the completion of the mastic removal was performed in accordance with Title 40 of the Code of Federal Regulations (CFR) Part 761 Subpart O. As the mastic did not cover a large area, but was linear in nature post removal samples were collected every 5 lineal feet from the 86 lineal feet of mastic removed area. Concrete chip samples were collected from the surface to a depth of 0.5 inches using an impact hammer drill equipped with a 0.875-inch carbide bit. Concrete sampling activities were completed in accordance with the Loureiro Standard Operating Procedure (SOP) identification #10001, entitled, *Concrete Chip Sampling* and included in Appendix A.

Each concrete chip sample submitted for laboratory analysis was placed into glass jars provided with Teflon®-lined caps and transported in an iced cooler under chain-of-custody control to Accutest Laboratories (Accutest) of Marlborough, Massachusetts. The concrete samples were submitted for analysis for PCBs by United States Environmental Protection Agency (EPA) Method 8082 using Soxhlet extraction. A summary of sampling and analytical information for the confirmatory sampling is included as Table 4-1.

PCBs were detected in 3 of the 17 concrete chip samples submitted for laboratory analysis. PCBs were detected at concentration of 0.348 mg/kg, 0.284 mg/kg, and 0.473 mg/kg in the concrete chip samples collected from sampling locations NW-CC-612, NW-CC-615, and NW-CC-618, respectively. A summary of PCBs detected in the confirmatory samples is included in Table 4-2. The analytical data as received from the laboratory is included in Attachment B.

PCBs were detected at concentrations less than 1 mg/kg in the concrete chip samples collected from the area of mastic removal indicating the successful removal of PCB containing mastic from the wall and thus no further removal actions were necessary.

4.2 X-208 Test Cell Exhauster Tunnel Caulk Removal

On January 20, 2012, Loureiro personnel collected a total of 42 confirmatory concrete chip samples (NW-CC-685 through NW-CC-727) from the 210 linear feet of removed caulk and underlying concrete along the south wall of the Project Area and a small portion of the north wall. Concrete chip samples were collected every 5 lineal feet from the area of removed concrete.

The concrete chip samples were collected from the surface of the concrete to a depth of 0.5 inches using a hammer drill with a 0.75-inch diameter bit and gathering the concrete powder and chips into glass jars with Teflon®-lined caps for laboratory analysis on a 5 foot by 5 foot grid spacing over the entire area. The concrete chip samples were transported in an iced cooler under chain of custody control to Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts. The samples were submitted for analysis for PCBs by EPA Method 8082 using Soxhlet extraction. A summary of sampling and analytical information for the confirmatory samples is included as Table 4-3. The analytical data as received from the laboratory is included as Attachment B. The concrete chip sampling locations are shown on Figure 4-2.

PCBs were detected in each of the concrete chip samples submitted for analysis. PCBs were detected in concrete chip samples at concentrations ranging between 2.54 mg/kg to 1,924 mg/kg. PCBs were detected at concentrations equal to or greater than 50 mg/kg in 30 of the 42 samples submitted for analysis. PCBs were detected at concentrations between 10 mg/kg and 50 mg/kg in 7 of the 42 samples submitted for analysis and the remaining 5 concrete chip samples had concentrations of PCBs between 1 mg/kg and 10 mg/kg with only three of these sampling locations (NW-CC-693, NW-CC-695, and NW-CC-726) within four feet of the ground surface. A summary of PCBs detected in the confirmatory samples is included as Table 4-4. As the result of these confirmatory sampling results, the concrete removal activities were performed as discussed in Section 3.3.

4.3 X-208 Test Cell Exhauster Tunnel Delineation

Based on the analytical information obtained during X-208 Test Cell exhauster tunnel caulk removal, it was determined that the entire south wall of a portion of the X-208 Test Cell exhauster tunnel, which is also the southern portion of the X-210 Test Cell basement, were removed for offsite disposal as PCB Remediation Waste. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement.

On March 28, 2013, Loureiro personnel collected eight concrete chip samples from the north wall and floor of the X-208 Test Cell exhauster tunnel, which is also the southern portion of the X-210 Test Cell basement. These additional concrete samples were collected in an effort to further delineate the extent of PCB-impacted concrete. Based on the analytical data obtained during AECOM's investigation of the Project Area, PCBs were detected at concentrations between 1 mg/kg and 10 mg/kg in multiple concrete chip samples which were collected from the walls approximately 18 inches off of the floor. In an effort to delineate the extent of PCB impacted concrete in the vicinity of the AECOM wall sample locations, concrete chip sample locations NW-CC-1838 and NW-CC-1839 were collected from immediately below the areas marked for possible removal by AECOM on the north wall of the Project Area. In addition, concrete chip sampling locations NW-CC-1840 through NW-CC-1844 were collected from the concrete floor of the Project Area on 5-foot offsets from the AECOM sampling location in which PCBs were detected at concentrations equal to or greater than 50 mg/kg. Figure 4-3 depicts the sampling locations.

The concrete chip samples were collected from the surface of the concrete to a depth of 0.5 inches using a hammer drill with a 0.75-inch diameter bit and gathering the concrete powder and chips into glass jars with Teflon®-lined caps for laboratory analysis on a 5 foot by 5 foot grid spacing over the entire area. The concrete chip samples were transported in an iced cooler under chain of custody control to Spectrum. The samples were submitted for analysis for PCBs by EPA Method 8082 by Soxhlet extraction. A summary of sampling and analytical information for the concrete samples is included as Table 4-5. The analytical data as received from the laboratory is included as Attachment B.

PCBs were detected in each of the eight concrete chip samples submitted for analysis. PCBs were detected at concentrations of 0.097 mg/kg and 0.0625 mg/kg at sampling locations NW-CC-1838 and NW-CC-1839, respectively. PCBs were detected at concentrations ranging from 0.558 mg/kg to 1.31 mg/kg from concrete chip sampling locations NW-CC-1840 through NW-CC-1844. A summary of PCBs detected in the concrete samples is included as Table 4-6

Based on the analytical data collected from the delineation sample locations, the total square footage of flooring that was removed for offsite disposal as PCB Remediation Waste was approximately 50 square feet in the immediate vicinity of the AECOM floor sample. In addition, none of the north wall of the Project Area in the vicinity of concrete chip sample locations NW-CC-1838 and NW-CC-1839 required removed.

5. WASTE MANAGEMENT

Demolition materials were separated into two different waste streams for disposal purposes, PCB Bulk Product Waste for those building materials containing PCBs at concentrations equal to or greater than 50 mg/kg or in contact with PCBs at concentrations equal to or greater than 50 mg/kg (i.e., painted concrete) and PCB Remediation Waste for those materials determined to have been impacted by spills of liquid PCBs with concentrations equal to or greater than 50 mg/kg and those materials where an attempt was made to remove the PCB Bulk Product Waste from the underlying substrate (i.e., dry scarification to remove paint from concrete or scraping to remove caulk).

During the removal activities approximately 40.65 tons of Bulk Product Waste were shipped off-site for disposal. Bulk Product Waste materials were handled by Red Technologies and transported to Minerva Enterprises, 9000 Minerva Road, Waynesburg, Ohio for disposal. During the remediation activities approximately 430 tons yards of concrete, were shipped off-site for disposal as PCB Remediation Waste. PCB Remediation Waste materials were transported to Model City, a Waste Management facility in Model City, New York. Disposal documentation is included in Appendix D.

TABLES

Table 3-2
SUMMARY OF PCBS IN CONCRETE FOR X-208 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-621	NW-CC-622	NW-CC-623				
	Sample ID	1227969	1227970	1227971				
	Sample Date	05/24/2011	05/24/2011	05/24/2011				
	Sample Time	15:04	15:08	15:11				
	Sample Depth	0.04'	0.04'	0.04'				
	Laboratory	ACTM	ACTM	ACTM				
	Lab. Number	MC537-15	MC537-16	MC537-17				
Constituent	Units							
Date PCBs Analyzed	-	06/01/2011	06/01/2011	06/01/2011				
Arochlor 1016	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1221	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1232	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1242	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1248	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1254	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1260	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1262	mg/kg	<0.28 U	<0.28 U	<0.26 U				
Arochlor 1268	mg/kg	<0.28 U	<0.28 U	<0.26 U				
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Table 3-1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION FOR X-208 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
NW-CC-607	1227955	05/24/2011	0.04	CC					x			
NW-CC-608	1227956	05/24/2011	0.04	CC					x			
NW-CC-609	1227957	05/24/2011	0.04	CC					x			
NW-CC-610	1227958	05/24/2011	0.04	CC					x			
NW-CC-611	1227959	05/24/2011	0.04	CC					x			
NW-CC-612	1227960	05/24/2011	0.04	CC					X			
NW-CC-613	1227961	05/24/2011	0.04	CC					x			
NW-CC-614	1227962	05/24/2011	0.04	CC					x			
NW-CC-615	1227963	05/24/2011	0.04	CC					X			
NW-CC-616	1227964	05/24/2011	0.04	CC					x			
NW-CC-617	1227965	05/24/2011	0.04	CC					x			
NW-CC-618	1227966	05/24/2011	0.04	CC					X			
NW-CC-619	1227967	05/24/2011	0.04	CC					x			
NW-CC-620	1227968	05/24/2011	0.04	CC					x			
NW-CC-621	1227969	05/24/2011	0.04	CC					x			
NW-CC-622	1227970	05/24/2011	0.04	CC					x			
NW-CC-623	1227971	05/24/2011	0.04	CC					x			

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Table 3-2
SUMMARY OF PCBS IN CONCRETE FOR X-208 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-607	NW-CC-608	NW-CC-609	NW-CC-610	NW-CC-611	NW-CC-612	NW-CC-613
	Sample ID	1227955	1227956	1227957	1227958	1227959	1227960	1227961
	Sample Date	05/24/2011	05/24/2011	05/24/2011	05/24/2011	05/24/2011	05/24/2011	05/24/2011
	Sample Time	14:10	14:12	14:14	14:17	14:21	14:24	14:26
	Sample Depth	0.04'	0.04'	0.04'	0.04'	0.04'	0.04'	0.04'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC537-1	MC537-2	MC537-3	MC537-4	MC537-5	MC537-6	MC537-7
Constituent	Units							
Date PCBs Analyzed	-	05/31/2011	05/31/2011	05/31/2011	06/01/2011	05/31/2011	06/01/2011	05/31/2011
Arochlor 1016	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1221	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1232	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1242	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1248	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1254	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	0.348	<0.28 U
Arochlor 1260	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1262	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
Arochlor 1268	mg/kg	<0.27 U	<0.31 U	<0.32 U	<0.3 U	<0.3 U	<0.29 U	<0.28 U
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Table 3-2
SUMMARY OF PCBS IN CONCRETE FOR X-208 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-614	NW-CC-615	NW-CC-616	NW-CC-617	NW-CC-618	NW-CC-619	NW-CC-620
	Sample ID	1227962	1227963	1227964	1227965	1227966	1227967	1227968
	Sample Date	05/24/2011	05/24/2011	05/24/2011	05/24/2011	05/24/2011	05/24/2011	05/24/2011
	Sample Time	14:30	14:34	14:37	14:44	14:50	14:54	14:59
	Sample Depth	0.04'	0.04'	0.04'	0.04'	0.04'	0.04'	0.04'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC537-8	MC537-9	MC537-10	MC537-11	MC537-12	MC537-13	MC537-14
Constituent	Units							
Date PCBs Analyzed	-	05/31/2011	06/01/2011	05/31/2011	05/31/2011	06/01/2011	05/31/2011	05/31/2011
Arochlor 1016	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1221	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1232	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1242	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1248	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1254	mg/kg	<0.27 U	0.284	<0.31 U	<0.31 U	0.473	<0.3 U	<0.29 U
Arochlor 1260	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1262	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
Arochlor 1268	mg/kg	<0.27 U	<0.27 U	<0.31 U	<0.31 U	<0.3 U	<0.3 U	<0.29 U
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Table 3-3
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
NW-CC-685	1248827	01/20/2012	0.041	CC					X			
NW-CC-686	1248828	01/20/2012	0.041	CC					X			
NW-CC-687	1248829	01/20/2012	0.041	CC					X			
NW-CC-688	1248830	01/20/2012	0.041	CC					X			
NW-CC-689	1248831	01/20/2012	0.041	CC					X			
NW-CC-690	1248832	01/20/2012	0.041	CC					X			
NW-CC-691	1248833	01/20/2012	0.041	CC					X			
NW-CC-692	1248834	01/20/2012	0.041	CC					X			
NW-CC-693	1248835	01/20/2012	0.041	CC					X			
NW-CC-694	1248836	01/20/2012	0.041	CC					X			
NW-CC-695	1248837	01/20/2012	0.041	CC					X			
NW-CC-696	1248838	01/20/2012	0.041	CC					X			
NW-CC-697	1248839	01/20/2012	0.041	CC					X			
NW-CC-698	1248840	01/20/2012	0.041	CC					X			
NW-CC-699	1248841	01/20/2012	0.041	CC					X			
NW-CC-700	1248842	01/20/2012	0.041	CC					X			
NW-CC-701	1248843	01/20/2012	0.041	CC					X			
NW-CC-702	1248844	01/20/2012	0.041	CC					X			
NW-CC-703	1248845	01/20/2012	0.041	CC					X			
NW-CC-704	1248846	01/20/2012	0.041	CC					X			
NW-CC-705	1248847	01/20/2012	0.041	CC					X			
NW-CC-706	1248848	01/20/2012	0.041	CC					X			
NW-CC-707	1248849	01/20/2012	0.041	CC					X			
NW-CC-708	1248850	01/20/2012	0.041	CC					X			
NW-CC-709	1248851	01/20/2012	0.041	CC					X			
NW-CC-710	1248852	01/20/2012	0.041	CC					X			
NW-CC-711	1248853	01/20/2012	0.041	CC					X			
NW-CC-712	1248854	01/20/2012	0.041	CC					X			
NW-CC-713	1248855	01/20/2012	0.041	CC					X			
NW-CC-714	1249109	01/20/2012	0.041	CC					X			
NW-CC-715	1249110	01/20/2012	0.041	CC					X			
NW-CC-716	1249111	01/20/2012	0.041	CC					X			

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Table 3-3
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
NW-CC-717	1249112	01/20/2012	0.041	CC					X			
NW-CC-718	1249113	01/20/2012	0.041	CC					X			
NW-CC-719	1249114	01/20/2012	0.041	CC					X			
NW-CC-720	1249115	01/20/2012	0.041	CC					X			
NW-CC-721	1249116	01/20/2012	0.041	CC					X			
NW-CC-722	1249117	01/20/2012	0.041	CC					X			
NW-CC-723	1249118	01/20/2012	0.041	CC					X			
NW-CC-724	1249119	01/20/2012	0.041	CC					X			
NW-CC-725	1249120	01/20/2012	0.041	CC					X			
NW-CC-726	1249121	01/20/2012	0.041	CC					X			
NW-CC-727	1249122	01/20/2012	0.041	CC					X			

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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-685	NW-CC-686	NW-CC-687	NW-CC-688	NW-CC-689	NW-CC-690	NW-CC-691
	Sample ID	1248827	1248828	1248829	1248830	1248831	1248832	1248833
	Sample Date	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012
	Sample Time	12:00	12:03	12:07	12:11	12:15	12:19	12:20
	Sample Depth	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC7395-1	MC7395-2	MC7395-3	MC7395-4	MC7395-5	MC7395-6	MC7395-7
Constituent	Units							
Date PCBs Analyzed	-	01/26/2012	01/26/2012	01/26/2012	01/26/2012	01/26/2012	01/26/2012	01/26/2012
Arochlor 1016	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
Arochlor 1221	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
Arochlor 1232	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
Arochlor 1242	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
Arochlor 1248	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
Arochlor 1254	mg/kg	195	1690	540	205	867	31.9	7.28
Arochlor 1260	mg/kg	<0.3 U	<0.28 U	<0.3 U	11 E	<0.29 U	<0.28 U	1.37
Arochlor 1262	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
Arochlor 1268	mg/kg	<0.3 U	<0.28 U	<0.3 U	<0.29 U	<0.29 U	<0.28 U	<0.29 U
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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-692	NW-CC-693	NW-CC-694	NW-CC-695	NW-CC-696	NW-CC-697	NW-CC-698
	Sample ID	1248834	1248835	1248836	1248837	1248838	1248839	1248840
	Sample Date	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012
	Sample Time	12:25	12:29	12:32	12:36	12:40	12:43	12:45
	Sample Depth	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC7395-8	MC7395-9	MC7395-10	MC7395-11	MC7395-12	MC7395-13	MC7395-14
Constituent	Units							
Date PCBs Analyzed	-	01/26/2012	01/27/2012	01/26/2012	01/26/2012	01/29/2012	01/26/2012	01/26/2012
Arochlor 1016	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
Arochlor 1221	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
Arochlor 1232	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
Arochlor 1242	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
Arochlor 1248	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
Arochlor 1254	mg/kg	17	4.32	40	1.73	6.01	85.5	65.7
Arochlor 1260	mg/kg	2.95 E	0.791	15.4	0.815	0.668	196	155
Arochlor 1262	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
Arochlor 1268	mg/kg	<0.3 U	<0.29 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.28 U
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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-699	NW-CC-700	NW-CC-701	NW-CC-702	NW-CC-703	NW-CC-704	NW-CC-705
	Sample ID	1248841	1248842	1248843	1248844	1248845	1248846	1248847
	Sample Date	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012
	Sample Time	12:50	12:54	12:57	13:04	13:10	13:14	13:19
	Sample Depth	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC7395-15	MC7395-16	MC7395-17	MC7395-18	MC7395-19	MC7395-20	MC7395-21
Constituent	Units							
Date PCBs Analyzed	-	01/26/2012	01/28/2012	01/26/2012	01/26/2012	01/26/2012	01/26/2012	01/27/2012
Arochlor 1016	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
Arochlor 1221	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
Arochlor 1232	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
Arochlor 1242	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
Arochlor 1248	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
Arochlor 1254	mg/kg	17.3	179	55.3	33	18.3	25.2	28
Arochlor 1260	mg/kg	52.6	471	97.6	77.4	51.2	76.1	113
Arochlor 1262	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
Arochlor 1268	mg/kg	<0.29 U	<0.28 U	<0.29 U	<0.31 U	<0.3 U	<0.29 U	<0.3 U
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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-706	NW-CC-707	NW-CC-708	NW-CC-709	NW-CC-710	NW-CC-711	NW-CC-712
	Sample ID	1248848	1248849	1248850	1248851	1248852	1248853	1248854
	Sample Date	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012
	Sample Time	13:25	13:30	13:34	13:41	13:47	13:51	14:00
	Sample Depth	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC7395-22	MC7395-23	MC7395-24	MC7395-25	MC7395-26	MC7395-27	MC7395-28
Constituent	Units							
Date PCBs Analyzed	-	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012
Arochlor 1016	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
Arochlor 1221	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
Arochlor 1232	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
Arochlor 1242	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
Arochlor 1248	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
Arochlor 1254	mg/kg	30	84.6 E	408	17.4	76.5	12.6	324
Arochlor 1260	mg/kg	82.8	327	1450	103	356	398	1600
Arochlor 1262	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
Arochlor 1268	mg/kg	<0.29 U	<0.3 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U	<0.3 U
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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
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	Location ID	NW-CC-713	NW-CC-714	NW-CC-715	NW-CC-716	NW-CC-717	NW-CC-718	NW-CC-719
	Sample ID	1248855	1249109	1249110	1249111	1249112	1249113	1249114
	Sample Date	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012
	Sample Time	14:06	14:11	14:16	14:20	14:24	14:30	14:37
	Sample Depth	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC7395-29	MC7395-30	MC7395-31	MC7395-32	MC7395-33	MC7395-34	MC7395-35
Constituent	Units							
Date PCBs Analyzed	-	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012
Arochlor 1016	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
Arochlor 1221	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
Arochlor 1232	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
Arochlor 1242	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
Arochlor 1248	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
Arochlor 1254	mg/kg	40	21.2	35.2	25.4	47.6	152	36.4
Arochlor 1260	mg/kg	105	87.1	103	33.7	86.5	394	48.7
Arochlor 1262	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
Arochlor 1268	mg/kg	<0.31 U	<0.3 U	<0.3 U	<0.31 U	<0.3 U	<0.31 U	<0.28 U
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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-720	NW-CC-721	NW-CC-722	NW-CC-723	NW-CC-724	NW-CC-725	NW-CC-726
	Sample ID	1249115	1249116	1249117	1249118	1249119	1249120	1249121
	Sample Date	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012	01/20/2012
	Sample Time	14:44	14:50	15:01	15:07	15:11	15:14	15:30
	Sample Depth	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'	0.0417'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC7395-36	MC7395-37	MC7395-38	MC7395-39	MC7395-40	MC7395-41	MC7395-42
Constituent	Units							
Date PCBs Analyzed	-	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012	01/27/2012
Arochlor 1016	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
Arochlor 1221	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
Arochlor 1232	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
Arochlor 1242	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
Arochlor 1248	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
Arochlor 1254	mg/kg	14	68.6	37	19	262	32.7	2.64
Arochlor 1260	mg/kg	9	27.7	<0.31 U	<0.29 U	<0.3 U	<0.31 U	0.617
Arochlor 1262	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
Arochlor 1268	mg/kg	<0.29 U	<0.3 U	<0.31 U	<0.29 U	<0.3 U	<0.31 U	<0.31 U
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Table 3-4
SUMMARY OF PCBS IN CONCRETE FOR X-210 CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-727						
	Sample ID	1249122						
	Sample Date	01/20/2012						
	Sample Time	15:37						
	Sample Depth	0.0417'						
	Laboratory	ACTM						
	Lab. Number	MC7395-43						
Constituent	Units							
Date PCBs Analyzed	-	01/27/2012						
Arochlor 1016	mg/kg	<0.29 U						
Arochlor 1221	mg/kg	<0.29 U						
Arochlor 1232	mg/kg	<0.29 U						
Arochlor 1242	mg/kg	<0.29 U						
Arochlor 1248	mg/kg	<0.29 U						
Arochlor 1254	mg/kg	<0.29 U						
Arochlor 1260	mg/kg	19.9						
Arochlor 1262	mg/kg	<0.29 U						
Arochlor 1268	mg/kg	<0.29 U						
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Table 3-5
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION FOR X-210 EXTENT SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
NW-CC-1839	1276328	04/01/2013	0.04	CC					X			
NW-CC-1840	1276329	04/01/2013	0.04	CC					X			
NW-CC-1841	1276330	04/01/2013	0.04	CC					X			
NW-CC-1842	1276331	04/01/2013	0.04	CC					X			
NW-CC-1843	1276332	04/01/2013	0.04	CC					X			
NW-CC-1844	1276333	04/01/2013	0.04	CC					X			
NW-CC-1845	1276334	04/01/2013	0.04	CC					X			

Printed on 05/01/2013

Table 3-6
SUMMARY OF PCBS IN CONCRETE FOR X-210 EXTENT SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	NW-CC-1839	NW-CC-1840	NW-CC-1841	NW-CC-1842	NW-CC-1843	NW-CC-1844	NW-CC-1845
	Sample ID	1276328	1276329	1276330	1276331	1276332	1276333	1276334
	Sample Date	04/01/2013	04/01/2013	04/01/2013	04/01/2013	04/01/2013	04/01/2013	04/01/2013
	Sample Time	00:00	00:00	00:00	00:00	00:00	00:00	00:00
	Sample Depth	0.04'	0.04'	0.04'	0.04'	0.04'	0.04'	0.04'
	Laboratory	Spec	Spec	Spec	Spec	Spec	Spec	Spec
	Lab. Number	SB66776-01	SB66776-02	SB66776-03	SB66776-04	SB66776-05	SB66776-06	SB66776-07
Constituent	Units							
Date PCBs Analyzed	-	03/29/2013	03/29/2013	03/29/2013	03/29/2013	03/29/2013	03/29/2013	03/29/2013
Arochlor 1016	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1221	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1232	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1242	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1248	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1254	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1260	mg/kg	0.097	0.625	0.558	1.31	0.64	1.15	1.3
Arochlor 1262	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
Arochlor 1268	mg/kg	<0.0647	<0.0592	<0.0668	<0.0721	<0.0684	<0.0551	<0.0568
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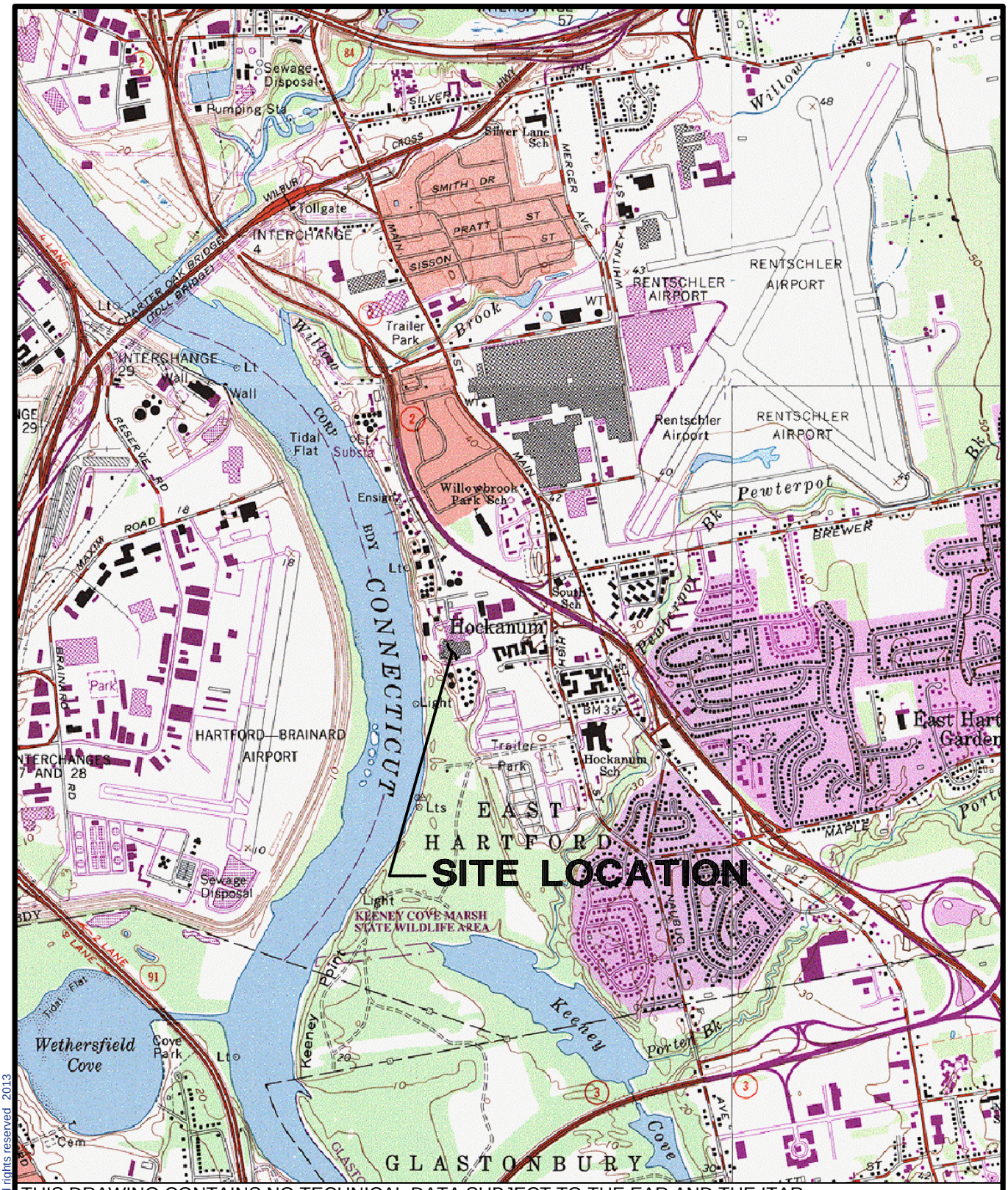
FIGURES



THIS DRAWING CONTAINS NO TECHNICAL DATA SUBJECT TO THE EAR AND THE ITAR

MAP REFERENCE:
SECTION OF THE USGS 7.5 MINUTE SERIES QUADRANGLES FOR HARTFORD NORTH, HARTFORD SOUTH, GLASTONBURY,AND MANCHESTER CONN., DATED 1964 & 1963 AND PHOTOREVISED 1992, AS PRINTED FROM TOPO! ©1998 WILDFLOWER PRODUCTIONS.

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SCALE IN FEET

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REMOVAL AND DISPOSAL REPORT

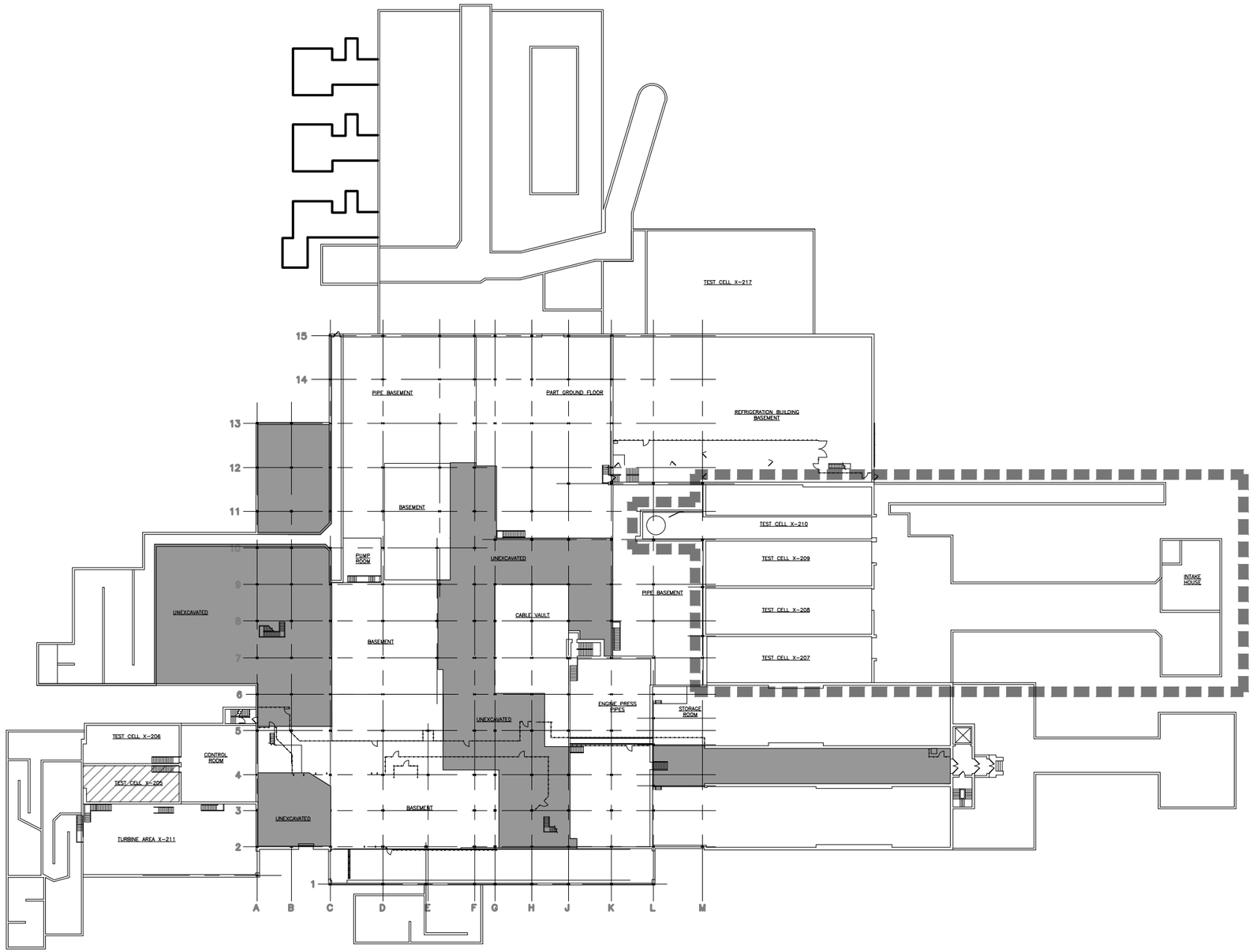
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS

PENT ROAD, EAST HARTFORD, CONNECTICUT

SITE LOCATION MAP

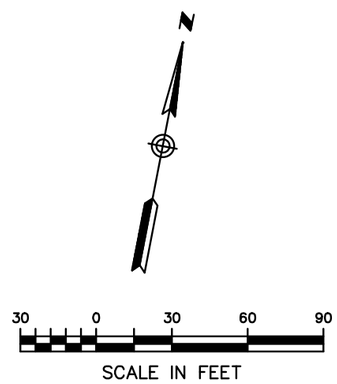
Comm.No.		
68PP366	FIGURE 1-1	Loureiro Engineering • Construction • EH&S • Energy • Waste

G:\AUTOCAD\PROJECTS\PWEHWLGS\WILLGOOS-USGS.DWG Tab:68PP366-X208-X210-EXHAUSTER Saved: 5/15/2014 2:57 PM Plotted: 5/15/2014 2:58 PM



LEGEND

PROJECT AREA



BASEMENT LEVEL - ELEV. 30'-4"

REMOVAL AND DISPOSAL REPORT
Andrew Willgoos Turbine Laboratory, East Hartford CT

PROJECT AREA LOCATION

Comm.No.		
68PP366	FIGURE 1-2	Loureiro Engineering • Construction • EH&S • Energy • Waste

THIS DRAWING CONTAINS NO TECHNICAL DATA SUBJECT TO THE EAR AND THE ITAR

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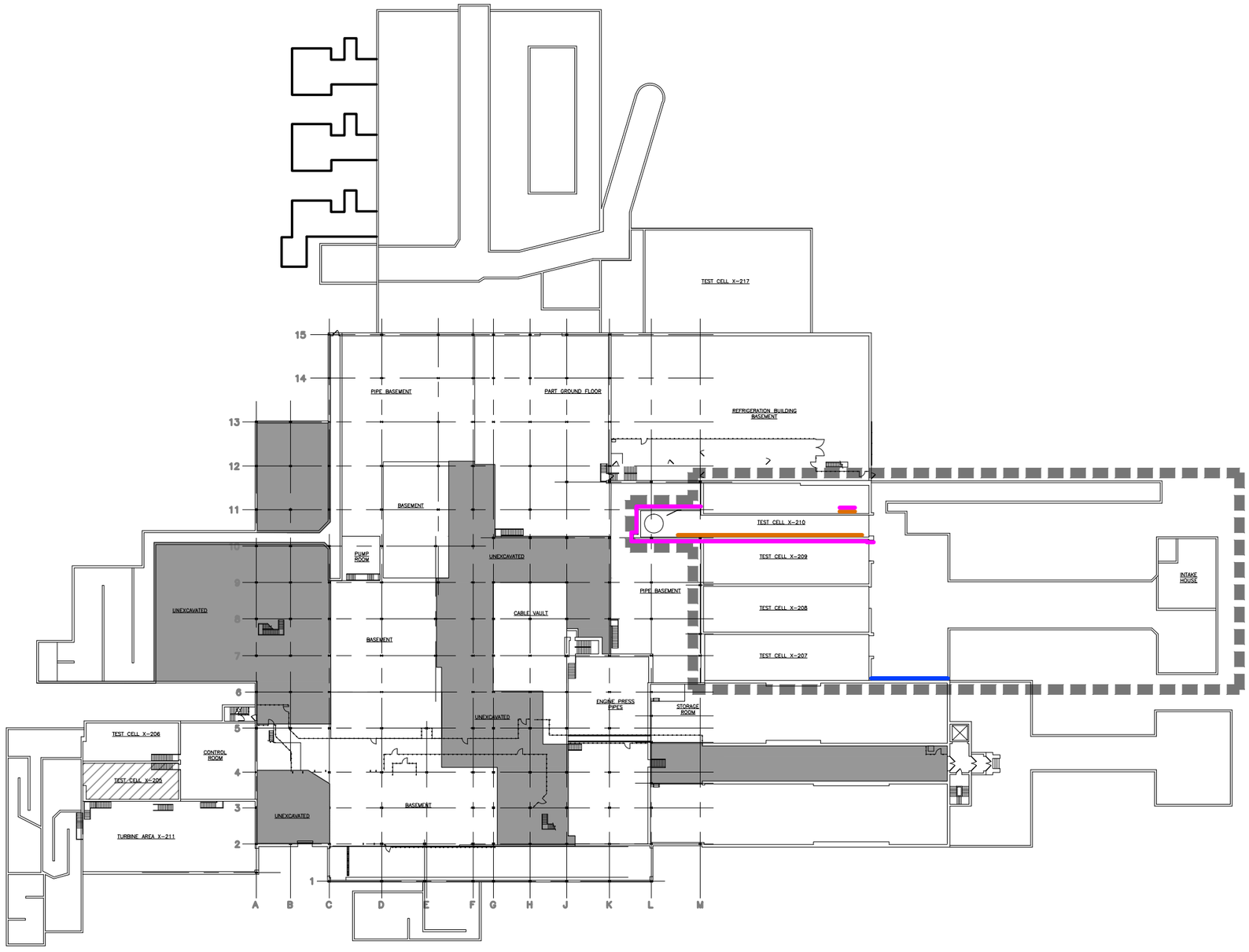
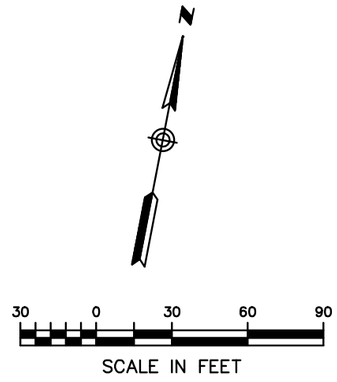


LEGEND

- PROJECT AREA
- MASTIC REMOVAL
- CAULK REMOVAL
- CONCRETE REMOVAL



BASEMENT LEVEL - ELEV. 30'-4"

REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
Andrew Willgoos Turbine Laboratory, East Hartford CT

PROJECT REMOVAL AREAS

Comm.No. 68PP366

FIGURE 3-1

Loureiro Engineering • Construction • BMS • Energy • Waste

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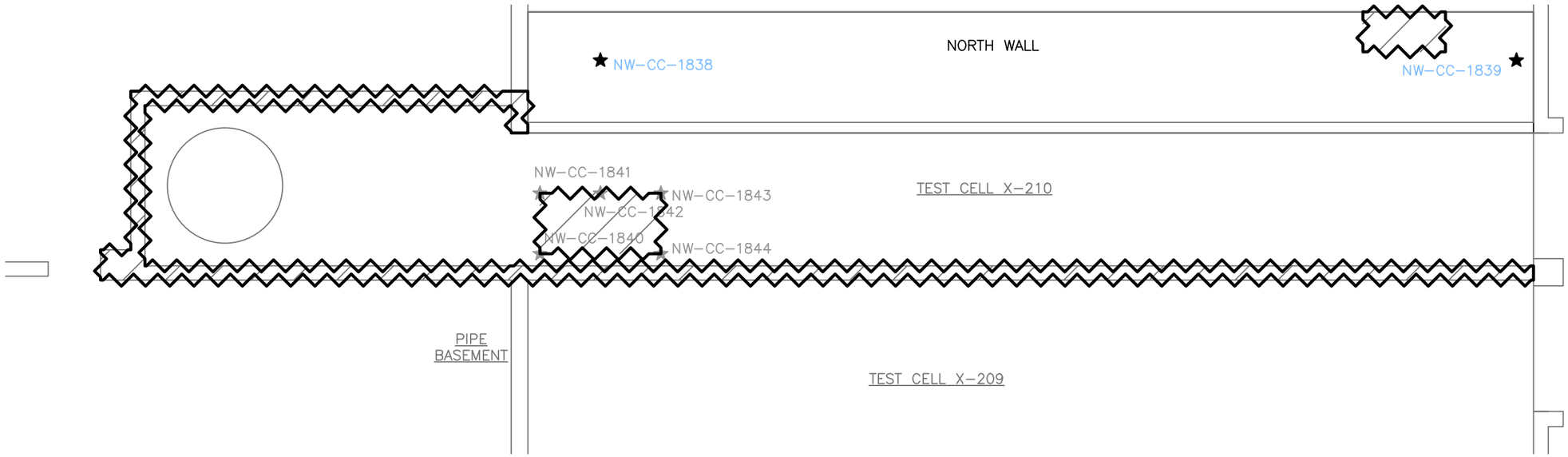

LEGEND

AREAS OF REMOVED CONCRETE

CONCRETE BASEMENT WALL

CONCRETE CHIP SAMPLE LOCATION

NW-PC-43	PCB DETECTION [> 50 mg/kg]
NW-PC-46	PCB DETECTION [> 25 <= 50 mg/kg]
NW-CC-169	PCB DETECTION [> 10 <= 25 mg/kg]
NW-CC-174	PCB DETECTION [> 1 <= 10 mg/kg]
NW-CC-170	PCB DETECTION [<= 1 mg/kg]
NW-CC-97	PCB NOT DETECTED
NW-CC-131	SAMPLE COLLECTED AWAITING ANALYSIS

THIS DRAWING CONTAINS NO TECHNICAL DATA SUBJECT TO THE EAR AND THE ITAR

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SCALE IN FEET

REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
Andrew Willgoos Turbine Laboratory, East Hartford CT

CONCRETE REMOVAL AREAS
X-210 TEST CELL

Comm.No. 68PP366

FIGURE 3-2

Loureiro Engineering • Construction • RMS • Energy • Waste

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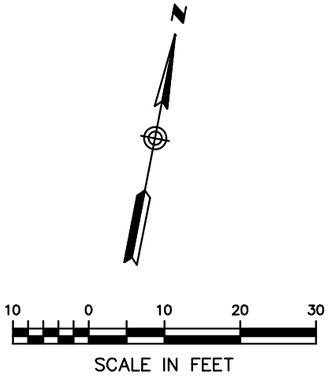

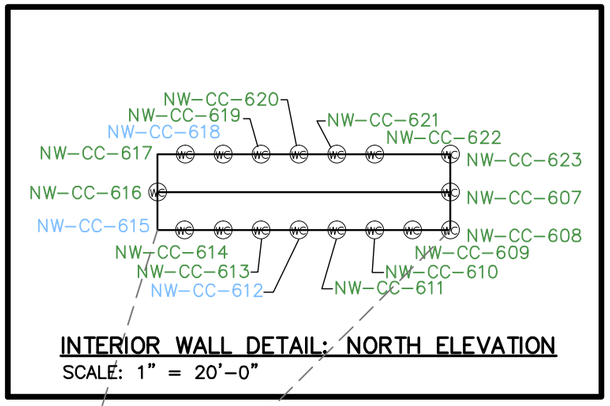

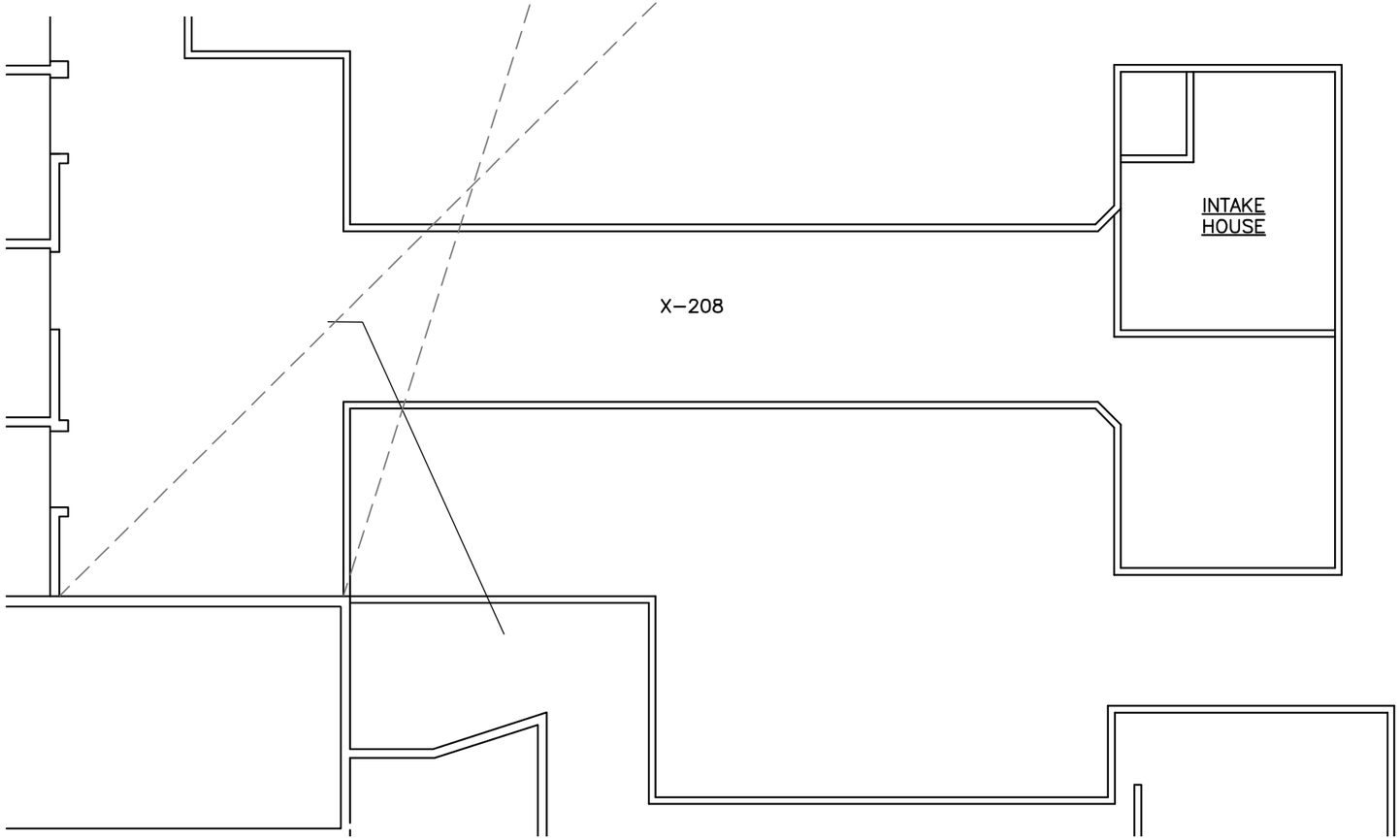

LEGEND

	EXISTING BUILDING
WC	WALL CONCRETE CHIP SAMPLE LOCATION
	INACCESSIBLE AREA
	STEEL GRATE FLOOR
NW-PC-43	PCB DETECTION [> 50 mg/kg]
NW-PC-46	PCB DETECTION [> 25 <= 50 mg/kg]
NW-CC-169	PCB DETECTION [> 10 <= 25 mg/kg]
NW-CC-174	PCB DETECTION [> 1 <= 10 mg/kg]
NW-CC-170	PCB DETECTION [<= 1 mg/kg]
NW-CC-97	PCB NOT DETECTED
NW-CC-131	SAMPLE COLLECTED AWAITING ANALYSIS

THIS DRAWING CONTAINS NO TECHNICAL DATA SUBJECT TO THE EAR AND THE ITAR

REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
Andrew Willgoos Turbine Laboratory, East Hartford CT

TEST CELL X-208 EXHAUSTER TUNNEL
CONCRETE CHIP SAMPLE LOCATIONS

Comm.No. 68PP366

FIGURE 4-1

Loureiro Engineering • Construction • RMSS • Energy • Waste

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LEGEND

EXISTING BUILDING

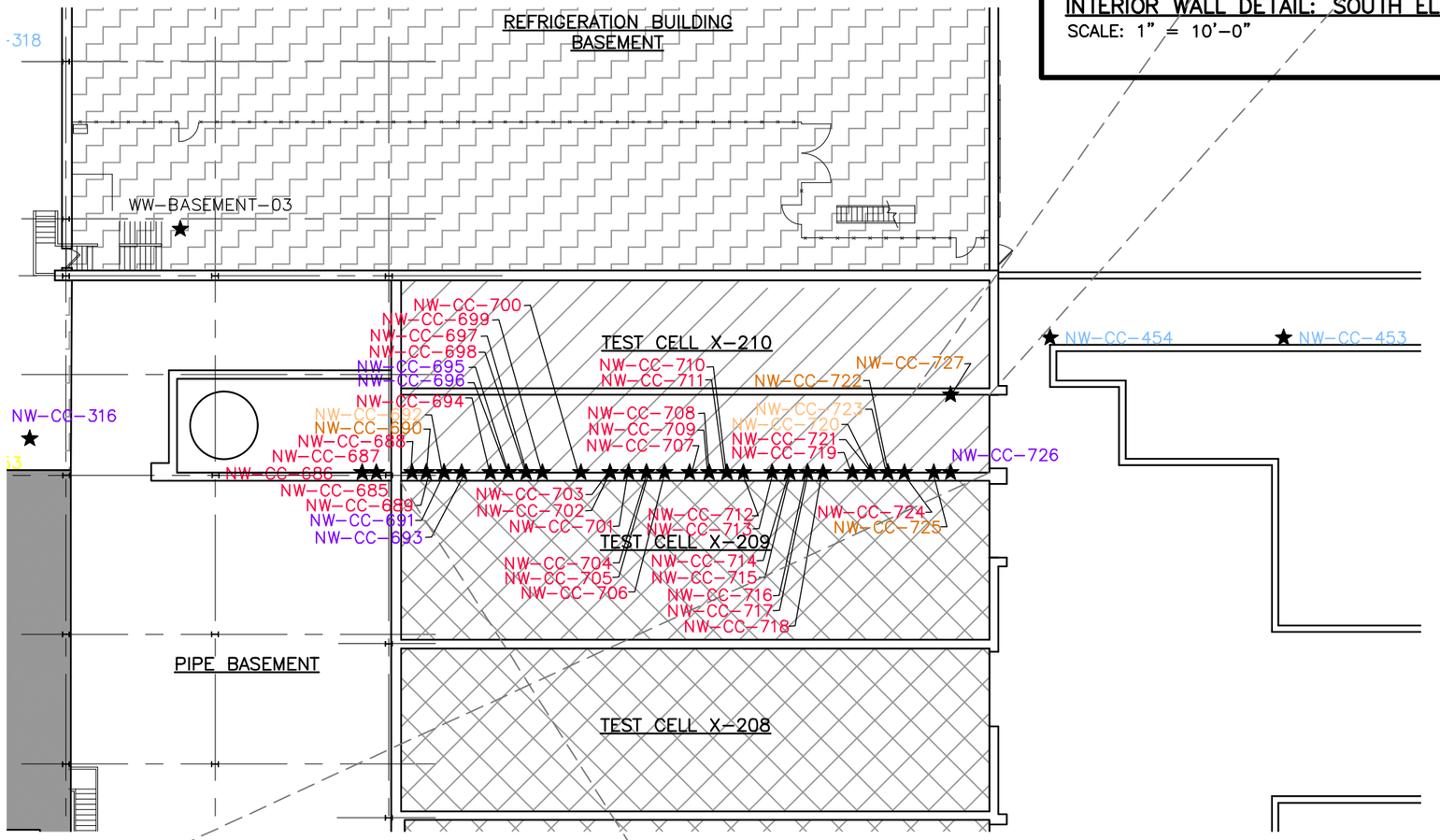
CONCRETE CHIP SAMPLE LOCATION

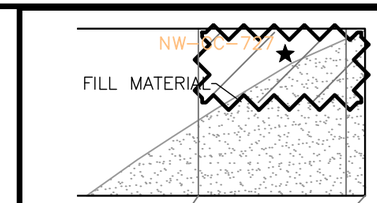
AREA UNDERWATER

STEEL GRATE FLOOR

PCB LEGEND

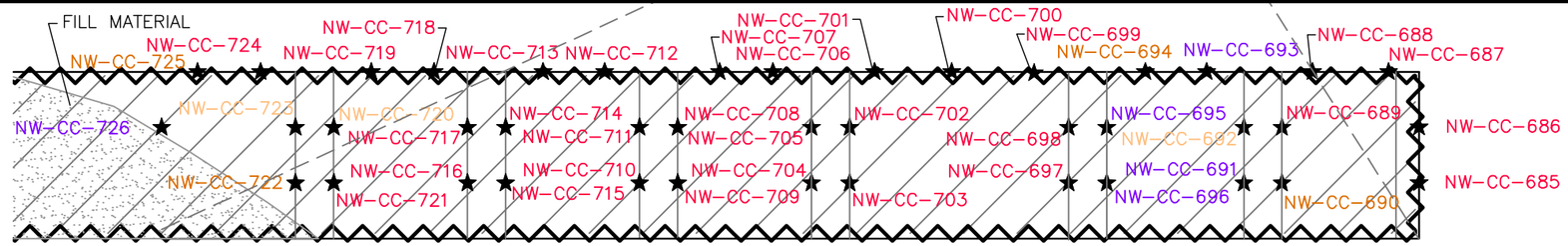
NW-PC-43	PCB DETECTION [> 50 mg/kg]
NW-PC-46	PCB DETECTION [> 25 <= 50 mg/kg]
NW-CC-169	PCB DETECTION [> 10 <= 25 mg/kg]
NW-CC-174	PCB DETECTION [> 1 <= 10 mg/kg]
NW-CC-170	PCB DETECTION [<= 1 mg/kg]
NW-CC-97	PCB NOT DETECTED
NW-CC-131	SAMPLE COLLECTED AWAITING ANALYSIS





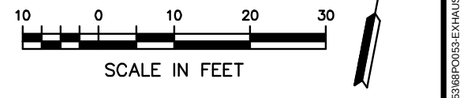
INTERIOR WALL DETAIL: SOUTH ELEVATION

SCALE: 1" = 10'-0"



INTERIOR WALL DETAIL: NORTH ELEVATION

SCALE: 1" = 10'-0"



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REMOVAL AND DISPOSAL REPORT

X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS

Andrew Willgoos Turbine Laboratory, East Hartford CT

X-210 TEST CELL EXHAUSTER TUNNEL CONCRETE CHIP SAMPLE LOCATIONS

Comm.No. 68PP366

FIGURE 4-2

Loureiro Engineering • Construction • RMSS • Energy • Waste

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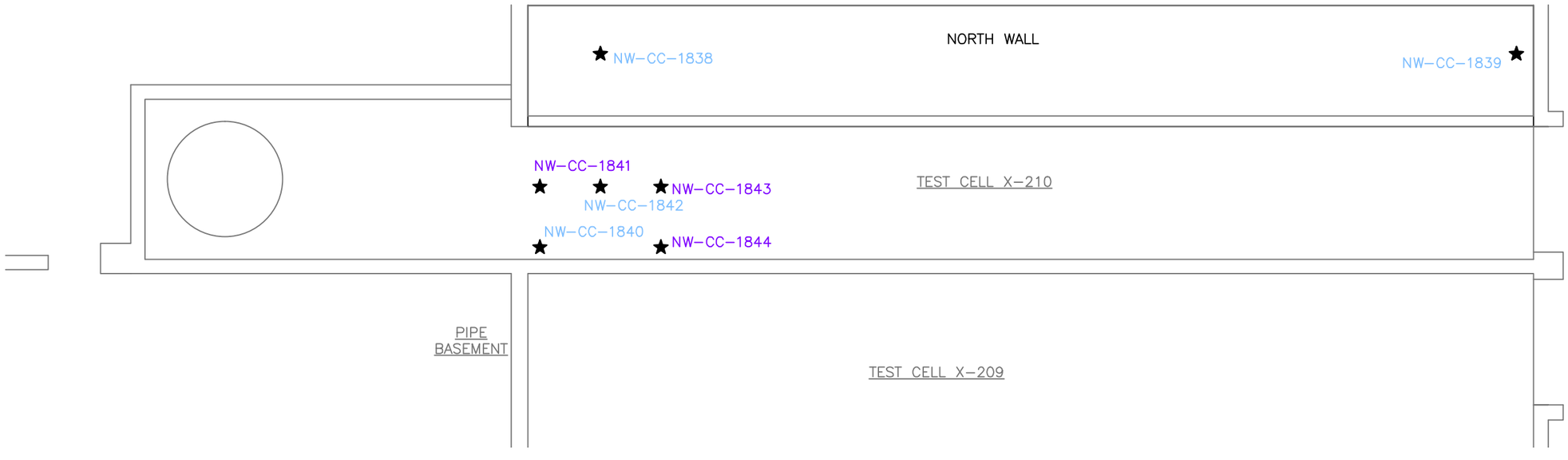

LEGEND

————	CONCRETE BASEMENT WALL
★	CONCRETE CHIP SAMPLE LOCATION
NW-PC-43	PCB DETECTION [> 50 mg/kg]
NW-PC-46	PCB DETECTION [> 25 <= 50 mg/kg]
NW-CC-169	PCB DETECTION [> 10 <= 25 mg/kg]
NW-CC-174	PCB DETECTION [> 1 <= 10 mg/kg]
NW-CC-170	PCB DETECTION [<= 1 mg/kg]
NW-CC-97	PCB NOT DETECTED
NW-CC-131	SAMPLE COLLECTED AWAITING ANALYSIS

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SCALE IN FEET

REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
Andrew Willgoos Turbine Laboratory, East Hartford CT

X-210 TEST CELL
CONCRETE CHIP SAMPLE LOCATIONS

Comm.No. 68PP366

FIGURE 4-3

Loureiro Engineering • Construction • BMS • Energy • Water

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APPENDIX A

Sampling Standard Operating Procedures

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Concrete Chip Sampling

SOP ID: 10001
Date Initiated: 02/20/90
Revision No. 005: 12/31/01

Approved By: ***/s/ David E. Lehnus*** ***12/20/01***
David E. Lehnus **Date**
Senior Geologist

/s/ Nick D. Skoularikis ***12/19/01***
Nick D. Skoularikis **Date**
Director of Quality

REVISION RECORD

Rev #	Date	Additions/Deletions/Modifications
Initial Issue	02/20/90	
001-003	-	No Record
004	07/10/00	Update LEA SOP in accordance with standard procedures outlined in SOP 10000, including logo. Added notes to Sections 8 and 9.
005	12/31/01	Updated to conform to new SOP format.

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Concrete Chip Sampling

1. Purpose and Scope

This document discusses procedures for collecting concrete chip samples for analysis. The procedures outlined in this document have been developed to produce reproducible results. Associated standard operating procedures (SOPs) that should be consulted include the Loureiro Engineering Associates, Inc. (LEA) *SOP for Quality Assurance/Quality Control Measures for Field Activities* and *SOP for Soil Sampling*.

2. Definitions

2.1. Concrete chip sample: Concrete sample taken no deeper than 2 inches from surface to be sampled. The LEA Information Management System (LEAIMS) sample class used for concrete chip samples is "CC".

3. Equipment

3.1. Equipment required for sampling of concrete shall include:

3.1.1. Dixon lumber crayon or equivalent.

3.1.2. 100-foot tape.

3.1.3. Three decontamination wash buckets.

3.1.4. Sample collection bottles and labels.

3.1.5. Sample forms.

3.1.6. Clean disposable gloves.

3.1.7. Personal protective equipment.

3.1.8. Cooler, cold packs and maximum/minimum thermometer.

3.1.9. Alconox®/Liquinox® detergent, 10 percent methanol solution in water (v:v), 10 percent nitric acid solution in water (v:v), hexane, distilled water.

3.1.10. Brushes.

3.1.11. Spatulas.

3.1.12. Indelible marker.

3.1.13. Distilled water.

3.1.14. Hand towels.

3.1.15. Impact drill with stone chisel.

3.1.16. Nail punch.

3.1.17. Clear polyethylene plastic sheeting.

3.1.18. Three pound hammer.

3.1.19. Fifty-foot electrical extension cord.

3.1.20. One-inch adjustable crescent wrench.

3.1.21. Lined 55-gallon drums.

3.1.22. Ohaus weighing scale or equivalent.

3.1.23. Non-shrinking concrete.

3.1.24. Portable Volatile Organic Compound (VOC) Analyzer (Photovac MicroTIP®, Foxboro OVA®, or equivalent)

4. Procedure

4.1. Sample Location

The location selection will be based on project-specific requirements. A grid pattern may be used (random sampling) or an inspection of the concrete surface will be performed to determine the location of cracks or discoloration on the concrete (judgmental sampling). In certain projects both random and judgmental samples are being collected. If a grid is being used, the location of each node of the grid pattern shall be determined and marked.

4.2. Sample Collection

Prior to sample collection, all sample bottles will be labeled using indelible ink with the following information: Sample number, date, area location, collector of sample.

4.2.1. Personal protection during all concrete chip sampling shall be at a minimum level D (unless a more stringent level is required by site-specific conditions), including but not limited to eye protection, work boots, and gloves. Full-face respirators, Tyvek® overalls and rubber gloves will be available on-site for use if deemed necessary by the field supervisor or sampling personnel and as dictated by the site-specific health and safety plan. Hearing protection may also be required.

4.2.2. The collection of concrete samples shall be in accordance with the following procedures:

4.2.2.1. An impact drill equipped with a stone chisel shall be inserted through the center of a five-foot square section of plastic sheeting (to limit the dispersion of dust during sample collection). If sidewall samples are collected, a five-foot square section of plastic will be placed on the floor at the base of the wall.

4.2.2.2. Samples shall be obtained by chipping of the concrete surface to a maximum depth of two inches, collecting a minimum of 400 grams of sample.

4.2.2.3. Samples shall be placed into the appropriate pre-labeled sample bottle, the time of collection noted on the label, and the sample bottle placed into a cooler.

4.2.2.4. All pertinent sampling data forms and chain of custody forms shall be completed.

4.2.2.5. All sampling equipment shall be decontaminated in accordance with Equipment Decontamination Procedures (Section 4.3) and the plastic sheeting discarded into a lined 55-gallon drum for disposal.

4.2.2.6. Steps 4.2.2.1 – 4.2.2.5 shall be repeated for each concrete sample to be collected.

4.2.3. Collection of field generated quality assurance/quality control (QA/QC) samples shall adhere to all applicable procedures noted in LEA's *SOP for Quality Assurance/Quality Control Measures for Field Activities* (SOP ID 10005) and should include the following procedures:

4.2.3.1. Field blanks/equipment blanks should be collected for each sample bottle/preservation technique/analysis procedure at the rate of one per day.

4.2.3.2. Field duplicates/replicate samples (or collected samples for volatile organic compounds) should be obtained for each sample bottle/preservation technique/analysis procedure at the rate of one per sampling event or one for every 20 samples.

4.2.3.3. Trip blanks for volatile organic compound analysis shall be collected at the rate of one per day or one per twenty samples collected.

4.2.4. Upon completion of each day, a field data collection quality review checklist shall be completed, as noted in the *Standard Operating Procedure for Quality Assurance/Quality Control Measures for Field Activities (*SOP ID 10005).

4.3. Equipment Decontamination Procedures

4.3.1. All sampling equipment shall be decontaminated before each sample collection.

4.3.2. Decontamination of the sampling equipment shall adhere to the following procedures:

4.3.2.1. All excess loose concrete and debris shall be removed from the sampling equipment and placed into the 55-gallon drum.

4.3.2.2. Sampling equipment shall then be immersed in an Alconox®/Liquinox® and tap water solution and scrubbed to remove all debris.

4.3.2.3. The order of decontamination solutions is as follows:

1. Detergent scrub.
2. Deionized (DI) water rinse.
3. Hexane rinse.
4. DI water rinse.

5. 10 percent nitric acid rinse.
6. DI water rinse.
7. 10 percent methanol rinse.
8. Air dry.

4.3.3. An alternative to the procedure described above requires that the equipment be cleaned using a high-pressure wash and steam cleaning. Alternative methods of cleaning may be more appropriate for an individual piece of equipment for site conditions based upon knowledge of site contaminants, and may be used at the discretion of the LEA representative.

4.3.4. At the end of the project day, all used equipment shall be decontaminated. Dispose of all spent decontamination solutions in accordance with all applicable municipal, state and federal regulations.

4.4. Field Documentation

4.4.1. The following general information shall be recorded in the field forms:

- Site identification, LEA commission number.
- Site location.
- Name of recorder.
- Identification of concrete chip sample name and location (include sketch; concrete chip sample class is “CC”).
- Collection method.
- Date and time of collection.
- Types of sample containers used, sample identification numbers and QA/QC sample identification.
- Preservative(s) used.
- Parameters requested for analysis.
- Field analysis method(s).
- Field observations during sampling event.
- Name of collector.
- Climatic conditions including ambient temperature.
- Internal temperature of field and shipping (iced) containers.
- Chronological events of the day.
- QA/QC data.
- A complete sample description (e.g. visual observations, discoloration, etc.).

4.4.2. The following information shall be recorded on the Field Quality Review Checklist:

- Reviewers name, date, and LEA commission number.
- Review of all necessary site activities and field forms.
- Statement of corrective actions for deficiencies.

4.4.3. The following information shall be recorded on the chain of custody record:

- Client's name and location.
- Date and time of collection.
- Sample number.
- Container type, number, size.
- Preservative used.
- Signature of collector.
- Signatures of persons involved in the chain of possession.
- Analyses to be performed.

4.4.4. The following information shall be provided on the sample label using an indelible pen:

- Sample identification number.
- Name of collector.
- Date and time of collection.
- Place of collection.
- Parameter(s) requested (if space permits).

4.4.5. The following information shall be recorded on the sample collection data sheet:

- Client name, location and LEA commission number.
- Date and time of collection.
- Sample number.
- Depth sample was obtained, as applicable.
- VOC reading.

5. Quality Assurance/Quality Control

5.1. All procedures documented in this SOP should be conducted to ensure quality and in accordance with LEA's *SOP for Quality Assurance/Quality Control Measures for Field Activities* (SOP ID 10005).

6. References

Other sampling procedures which may be pertinent to concrete chip sampling may be found in LEA SOP ID 10006, *Standard Operating Procedures for Soil Sampling*.

END OF DOCUMENT

APPENDIX B

Analytical Data

New England ACCUTEST LABORATORIES

06/08/11

Technical Report for

Loureiro Eng. Associates

PWCTEH:Willgoos Miscl Sampling

68PO141

Accutest Job Number: MC537

Sampling Date: 05/24/11

Report to:

Loureiro Engineering
100 Northwest Drive
Plainville, CT 06062
dcbrisson@loureiro.com

ATTN: David Brisson

Total number of pages in report: **54**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

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Sample Summary

Loureiro Eng. Associates

Job No: MC537

PWCTEH:Willgoos Miscl Sampling
Project No: 68PO141

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC537-1	05/24/11	14:40	NSE	05/25/11	SO	Soil	1227955
MC537-2	05/24/11	14:12	NSE	05/25/11	SO	Soil	1227956
MC537-3	05/24/11	14:14	NSE	05/25/11	SO	Soil	1227957
MC537-4	05/24/11	14:17	NSE	05/25/11	SO	Soil	1227958
MC537-5	05/24/11	14:21	NSE	05/25/11	SO	Soil	1227959
MC537-6	05/24/11	14:24	NSE	05/25/11	SO	Soil	1227960
MC537-7	05/24/11	14:26	NSE	05/25/11	SO	Soil	1227961
MC537-8	05/24/11	14:30	NSE	05/25/11	SO	Soil	1227962
MC537-9	05/24/11	14:34	NSE	05/25/11	SO	Soil	1227963
MC537-10	05/24/11	14:37	NSE	05/25/11	SO	Soil	1227964
MC537-11	05/24/11	14:44	NSE	05/25/11	SO	Soil	1227965
MC537-12	05/24/11	14:50	NSE	05/25/11	SO	Soil	1227966
MC537-13	05/24/11	14:54	NSE	05/25/11	SO	Soil	1227967

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Loureiro Eng. Associates

Job No: MC537

PWCTEH:Willgoos Miscl Sampling
Project No: 68PO141

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC537-14	05/24/11	14:59	NSE	05/25/11	SO	Soil	1227968
MC537-15	05/24/11	15:04	NSE	05/25/11	SO	Soil	1227969
MC537-16	05/24/11	15:08	NSE	05/25/11	SO	Soil	1227970
MC537-17	05/24/11	15:11	NSE	05/25/11	SO	Soil	1227971
MC537-18	05/24/11	15:40	NSE	05/25/11	SO	Soil	1227972

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Loureiro Eng. Associates **Job No** MC537

Site: PWCTEH:Willgoos Miscl Sampling **Report Date** 6/8/2011 4:14:36 PM

18 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 05/24/2011 and were received at Accutest on 05/25/2011 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of MC537. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method SW846 8270C

Matrix LEACHATE **Batch ID:** OP25072

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC537-18 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene, Hexachloroethane are outside control limits. Blank Spike meets program technical requirements.
- Quadratic regression is employed for initial calibration standard in batch MSS1009-ICC1009 for Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, Di-n-butylphthalate , bis(2-Ethylhexyl)phthalate, Fluorene, Benzo[a]anthracene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3cd]pyren, Dibenz[a,h]anthracene, 3,3'-Dichlorobenzidine.
- MC537-18 for Phenol-d5, 2,4,6-Tribromophenol, 2-Fluorophenol: Outside control limits due to possible spiking error. Sample re-extracted/reanalyzed.
- Continuing calibration check standard MSS1031-CC1009 for 2,4,6-Tribromophenol exceed 30% Difference. This check standard met RCP criteria.
- OP25072-BS for 2,4,6-Tribromophenol: Outside control limits. Individual spike recoveries within acceptance limits.
- Continuing calibration check standard MSS1032-CC1009 for 2,4,6-Tribromophenol exceed 30% Difference. This check standard met RCP criteria.

Matrix LEACHATE **Batch ID:** OP25158

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Quadratic regression is employed for initial calibration standard in batch MSS1034-ICC1034 for 2,4-Dinitrophenol, Pentachlorophenol.

Extractables by GC By Method SW846 8082

Matrix SO **Batch ID:** OP25070

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO **Batch ID:** GN35033

- Sample(s) MC537-10DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC537).

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	1227955		
Lab Sample ID:	MC537-1	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.2
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26439.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.86 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	270	ug/kg	
11104-28-2	Aroclor 1221	ND	270	ug/kg	
11141-16-5	Aroclor 1232	ND	270	ug/kg	
53469-21-9	Aroclor 1242	ND	270	ug/kg	
12672-29-6	Aroclor 1248	ND	270	ug/kg	
11097-69-1	Aroclor 1254	ND	270	ug/kg	
11096-82-5	Aroclor 1260	ND	270	ug/kg	
37324-23-5	Aroclor 1262	ND	270	ug/kg	
11100-14-4	Aroclor 1268	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	125%		30-150%
877-09-8	Tetrachloro-m-xylene	124%		30-150%
2051-24-3	Decachlorobiphenyl	124%		30-150%
2051-24-3	Decachlorobiphenyl	104%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227956		
Lab Sample ID:	MC537-2	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	93.9
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26440.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.10 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	ND	310	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		30-150%
877-09-8	Tetrachloro-m-xylene	130%		30-150%
2051-24-3	Decachlorobiphenyl	125%		30-150%
2051-24-3	Decachlorobiphenyl	114%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227957		
Lab Sample ID:	MC537-3	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	90.0
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26441.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.24 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	320	ug/kg	
11104-28-2	Aroclor 1221	ND	320	ug/kg	
11141-16-5	Aroclor 1232	ND	320	ug/kg	
53469-21-9	Aroclor 1242	ND	320	ug/kg	
12672-29-6	Aroclor 1248	ND	320	ug/kg	
11097-69-1	Aroclor 1254	ND	320	ug/kg	
11096-82-5	Aroclor 1260	ND	320	ug/kg	
37324-23-5	Aroclor 1262	ND	320	ug/kg	
11100-14-4	Aroclor 1268	ND	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		30-150%
877-09-8	Tetrachloro-m-xylene	106%		30-150%
2051-24-3	Decachlorobiphenyl	83%		30-150%
2051-24-3	Decachlorobiphenyl	94%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227958		
Lab Sample ID:	MC537-4	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	92.1
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26493.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.36 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	ND	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		30-150%
877-09-8	Tetrachloro-m-xylene	115%		30-150%
2051-24-3	Decachlorobiphenyl	100%		30-150%
2051-24-3	Decachlorobiphenyl	102%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227959		
Lab Sample ID:	MC537-5	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	91.4
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26443.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.40 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	ND	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		30-150%
877-09-8	Tetrachloro-m-xylene	109%		30-150%
2051-24-3	Decachlorobiphenyl	117%		30-150%
2051-24-3	Decachlorobiphenyl	105%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227960		
Lab Sample ID:	MC537-6	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	92.9
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26494.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.60 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	348	290	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		30-150%
877-09-8	Tetrachloro-m-xylene	118%		30-150%
2051-24-3	Decachlorobiphenyl	103%		30-150%
2051-24-3	Decachlorobiphenyl	104%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227961		
Lab Sample ID:	MC537-7	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	94.3
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26445.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.72 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	ND	280	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		30-150%
877-09-8	Tetrachloro-m-xylene	116%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%
2051-24-3	Decachlorobiphenyl	106%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227962		
Lab Sample ID:	MC537-8	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	94.0
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26446.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.88 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	270	ug/kg	
11104-28-2	Aroclor 1221	ND	270	ug/kg	
11141-16-5	Aroclor 1232	ND	270	ug/kg	
53469-21-9	Aroclor 1242	ND	270	ug/kg	
12672-29-6	Aroclor 1248	ND	270	ug/kg	
11097-69-1	Aroclor 1254	ND	270	ug/kg	
11096-82-5	Aroclor 1260	ND	270	ug/kg	
37324-23-5	Aroclor 1262	ND	270	ug/kg	
11100-14-4	Aroclor 1268	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		30-150%
877-09-8	Tetrachloro-m-xylene	115%		30-150%
2051-24-3	Decachlorobiphenyl	128%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227963		
Lab Sample ID:	MC537-9	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	93.1
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26492.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.96 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	270	ug/kg	
11104-28-2	Aroclor 1221	ND	270	ug/kg	
11141-16-5	Aroclor 1232	ND	270	ug/kg	
53469-21-9	Aroclor 1242	ND	270	ug/kg	
12672-29-6	Aroclor 1248	ND	270	ug/kg	
11097-69-1	Aroclor 1254	284	270	ug/kg	
11096-82-5	Aroclor 1260	ND	270	ug/kg	
37324-23-5	Aroclor 1262	ND	270	ug/kg	
11100-14-4	Aroclor 1268	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	133%		30-150%
877-09-8	Tetrachloro-m-xylene	130%		30-150%
2051-24-3	Decachlorobiphenyl	121%		30-150%
2051-24-3	Decachlorobiphenyl	124%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227964		
Lab Sample ID:	MC537-10	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	92.3
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26449.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.20 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	ND	310	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	135%		30-150%
877-09-8	Tetrachloro-m-xylene	126%		30-150%
2051-24-3	Decachlorobiphenyl	141%		30-150%
2051-24-3	Decachlorobiphenyl	133%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227965		
Lab Sample ID:	MC537-11	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	93.1
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26450.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.16 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	ND	310	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		30-150%
877-09-8	Tetrachloro-m-xylene	114%		30-150%
2051-24-3	Decachlorobiphenyl	122%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1227966
Lab Sample ID: MC537-12
Matrix: SO - Soil
Method: SW846 8082 SW846 3540C
Project: PWCTEH:Willgoos Miscl Sampling

Date Sampled: 05/24/11
Date Received: 05/25/11
Percent Solids: 95.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26495.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.14 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	473	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	127%		30-150%
877-09-8	Tetrachloro-m-xylene	127%		30-150%
2051-24-3	Decachlorobiphenyl	113%		30-150%
2051-24-3	Decachlorobiphenyl	115%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1227967
Lab Sample ID: MC537-13
Matrix: SO - Soil
Method: SW846 8082 SW846 3540C
Project: PWCTEH:Willgoos Miscl Sampling

Date Sampled: 05/24/11
Date Received: 05/25/11
Percent Solids: 95.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26452.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.28 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	ND	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		30-150%
877-09-8	Tetrachloro-m-xylene	111%		30-150%
2051-24-3	Decachlorobiphenyl	117%		30-150%
2051-24-3	Decachlorobiphenyl	111%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1227968
Lab Sample ID: MC537-14
Matrix: SO - Soil
Method: SW846 8082 SW846 3540C
Project: PWCTEH:Willgoos Miscl Sampling

Date Sampled: 05/24/11
Date Received: 05/25/11
Percent Solids: 95.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26453.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.52 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	ND	290	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		30-150%
877-09-8	Tetrachloro-m-xylene	105%		30-150%
2051-24-3	Decachlorobiphenyl	108%		30-150%
2051-24-3	Decachlorobiphenyl	103%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227969		
Lab Sample ID:	MC537-15	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.1
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26454.D	1	06/01/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.68 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	ND	280	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		30-150%
877-09-8	Tetrachloro-m-xylene	102%		30-150%
2051-24-3	Decachlorobiphenyl	105%		30-150%
2051-24-3	Decachlorobiphenyl	100%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227970		
Lab Sample ID:	MC537-16	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.3
Project:	PWCTEH:Willgoos Miscl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26455.D	1	06/01/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.70 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	ND	280	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	136%		30-150%
877-09-8	Tetrachloro-m-xylene	134%		30-150%
2051-24-3	Decachlorobiphenyl	140%		30-150%
2051-24-3	Decachlorobiphenyl	136%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1227971
Lab Sample ID: MC537-17
Matrix: SO - Soil
Method: SW846 8082 SW846 3540C
Project: PWCTEH:Willgoos Miscl Sampling

Date Sampled: 05/24/11
Date Received: 05/25/11
Percent Solids: 96.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26456.D	1	06/01/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.88 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	260	ug/kg	
11104-28-2	Aroclor 1221	ND	260	ug/kg	
11141-16-5	Aroclor 1232	ND	260	ug/kg	
53469-21-9	Aroclor 1242	ND	260	ug/kg	
12672-29-6	Aroclor 1248	ND	260	ug/kg	
11097-69-1	Aroclor 1254	ND	260	ug/kg	
11096-82-5	Aroclor 1260	ND	260	ug/kg	
37324-23-5	Aroclor 1262	ND	260	ug/kg	
11100-14-4	Aroclor 1268	ND	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%		30-150%
877-09-8	Tetrachloro-m-xylene	107%		30-150%
2051-24-3	Decachlorobiphenyl	113%		30-150%
2051-24-3	Decachlorobiphenyl	107%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1227972
Lab Sample ID: MC537-18
Matrix: SO - Soil
Method: SW846 8270C SW846 3510C SPLP
Project: PWCTEH:Willgoos Miscl Sampling

Date Sampled: 05/24/11
Date Received: 05/25/11
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S24359.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031
Run #2	S24508.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	280 ml	1.0 ml

ABN RCP List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	Units	Q
95-57-8	2-Chlorophenol	ND [a]		0.018	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND [a]		0.036	mg/l	
120-83-2	2,4-Dichlorophenol	ND [a]		0.036	mg/l	
105-67-9	2,4-Dimethylphenol	ND [a]		0.036	mg/l	
51-28-5	2,4-Dinitrophenol	ND [a]		0.071	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND [a]		0.036	mg/l	
95-48-7	2-Methylphenol	ND [a]		0.036	mg/l	
106-44-5	4-Methylphenol	ND [a]		0.036	mg/l	
88-75-5	2-Nitrophenol	ND [a]		0.036	mg/l	
100-02-7	4-Nitrophenol	ND [a]		0.071	mg/l	
87-86-5	Pentachlorophenol	ND [a]		0.036	mg/l	
108-95-2	Phenol	ND [a]		0.018	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND [a]		0.036	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND [a]		0.036	mg/l	
83-32-9	Acenaphthene	ND		0.0050	mg/l	
208-96-8	Acenaphthylene	ND		0.0050	mg/l	
62-53-3	Aniline	ND		0.010	mg/l	
120-12-7	Anthracene	ND		0.0050	mg/l	
56-55-3	Benzo(a)anthracene	ND		0.0050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	mg/l	
85-68-7	Butyl benzyl phthalate	0.0063		0.0050	mg/l	B
91-58-7	2-Chloronaphthalene	ND		0.0050	mg/l	
106-47-8	4-Chloroaniline	ND		0.010	mg/l	
86-74-8	Carbazole	ND		0.0050	mg/l	
218-01-9	Chrysene	ND		0.0050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	mg/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	mg/l	

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227972		
Lab Sample ID:	MC537-18	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8270C SW846 3510C SPLP	**Percent Solids:**	n/a
Project:	PWCTEH:Willgoos Miscl Sampling		

ABN RCP List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.010	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.010	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.0050	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	mg/l	
132-64-9	Dibenzofuran	ND		0.0050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0023		0.0020	mg/l	B
206-44-0	Fluoranthene	ND		0.0050	mg/l	
86-73-7	Fluorene	ND		0.0050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/l	
78-59-1	Isophorone	ND		0.0050	mg/l	
91-57-6	2-Methylnaphthalene	ND		0.0050	mg/l	
88-74-4	2-Nitroaniline	ND		0.010	mg/l	
99-09-2	3-Nitroaniline	ND		0.010	mg/l	
100-01-6	4-Nitroaniline	ND		0.010	mg/l	
91-20-3	Naphthalene	ND		0.0050	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	mg/l	
82-68-8	Pentachloronitrobenzene	ND		0.010	mg/l	
85-01-8	Phenanthrene	ND		0.0050	mg/l	
129-00-0	Pyrene	ND		0.0050	mg/l	
110-86-1	Pyridine	ND		0.010	mg/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		0.010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	0% [b]	71%	15-110%
4165-62-2	Phenol-d5	0% [b]	59%	15-110%
118-79-6	2,4,6-Tribromophenol	0% [b]	80%	15-110%
4165-60-0	Nitrobenzene-d5	73%	71%	30-130%

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227972		
Lab Sample ID:	MC537-18	**Date Sampled:**	05/24/11
Matrix:	SO - Soil	**Date Received:**	05/25/11
Method:	SW846 8270C SW846 3510C SPLP	**Percent Solids:**	n/a
Project:	PWCTEH:Willgoos Miscl Sampling		

ABN RCP List **SPLP Leachate method SW846 1312**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	72%	71%	30-130%
1718-51-0	Terphenyl-d14	85%	81%	30-130%

(a) Result is from Run# 2
(b) Outside control limits due to possible spiking error. Sample re-extracted/reanalyzed.

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

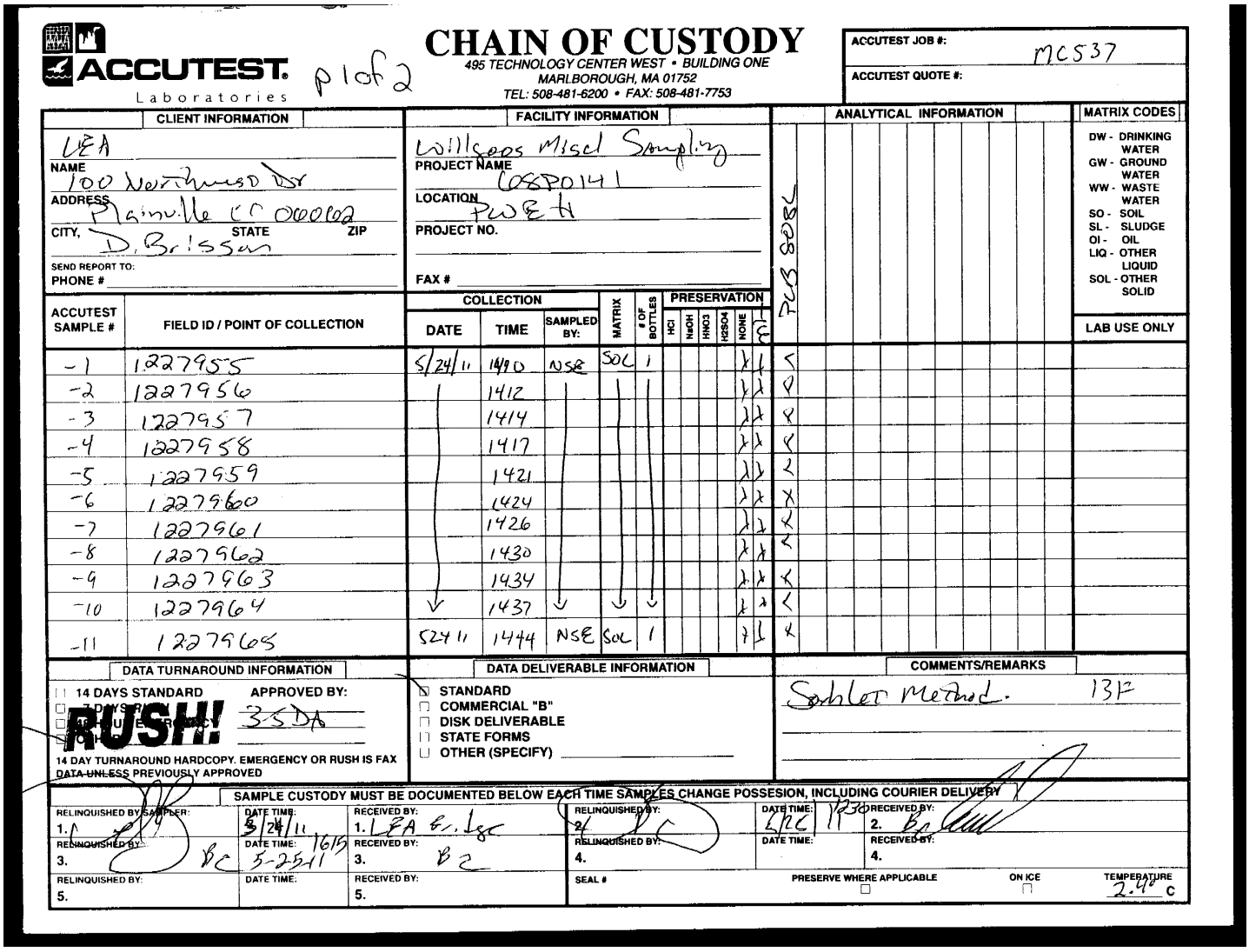
- Certification Exceptions
- Certification Exceptions (CT)
- Chain of Custody
- RCP Form
- Sample Tracking Chronicle

Parameter Certification Exceptions

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Aroclor 1262	37324-23-5	**SW846 8082**	SO	Certified by SOP MGC204/GC-ECD
Aroclor 1268	11100-14-4	**SW846 8082**	SO	Certified by SOP MGC204/GC-ECD



ACCUTEST Laboratories

p1of2

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: MC537
ACCUTEST QUOTE #:

CLIENT INFORMATION
NAME: LEA
ADDRESS: 100 Northwood Dr
CITY: Plainville STATE: CT ZIP: 06062
SEND REPORT TO: D. Brissan
PHONE #:

FACILITY INFORMATION
PROJECT NAME: Willcox Misc Sampling
LOCATION: CT0140.1
PROJECT NO.: PWSID
FAX #:

ANALYTICAL INFORMATION: PCB SOIL

MATRIX CODES
DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	FIELD FILT.	LAB USE ONLY
-1	1227955	5/24/11	1410	NSE	SOL	1					X		
-2	1227956		1412								X		
-3	1227957		1414								X		
-4	1227958		1417								X		
-5	1227959		1421								X		
-6	1227960		1424								X		
-7	1227961		1426								X		
-8	1227962		1430								X		
-9	1227963		1434								X		
-10	1227964		1437								X		
-11	1227965	5/24/11	1444	NSE	SOL	1					X		

DATA TURNAROUND INFORMATION
☐ 14 DAYS STANDARD
APPROVED BY: 3-5 DA
RUSH!
14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION
☒ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS
Soxhlet Method. 13F

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	5/24/11	1. LEA Bx. Lgc	2.	5/25/11 1230	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3. BC	5-25-11 1615	3. BC	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐
5.		5.			TEMPERATURE 2.4° C

MC537: Chain of Custody
Page 1 of 3

ACCUTEST Laboratories

2 of 2

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: MC537
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: LEA
ADDRESS: 100 NW Dr
CITY, STATE ZIP: Plainville CT 06062
SEND REPORT TO: D. Brisson
PHONE #:

FACILITY INFORMATION

PROJECT NAME: Willcox Misc Sampling
LOCATION: PWSH
PROJECT NO.: CO8P0141
FAX #:

ANALYTICAL INFORMATION

PCB 8082
SPLP SVOC

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	FILTERED	PCB 8082	SPLP SVOC	LAB USE ONLY
-12	1227966	5/24	1450	NSE	SOL	1					X	X	X		
-13	1227967		1454								X	X	X		
-14	1227968		1459								X	X	X		
-15	1227969		1504								X	X	X		
-16	1227970		1508								X	X	X		
-17	1227971	↓	1511	↓	↓	↓					X	X	X		
-18	1227972	5/24	1540	NSE	SOL	1					X	X		X	

DATA TURNAROUND INFORMATION

☐ 14 DAYS STANDARD
☐ 7 DAYS *RUSH*
☐ 48 HOUR EMERGENCY
☐ OTHER
APPROVED BY: 3-5 DA

RUSH!

14 DAY TURNAROUND FOR HARD COPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

PCB by Soxhlet

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	5/24/11	1. LEA Fedex	2.	5/25/11 1123	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.	5-25-11 1615	3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☑ TEMPERATURE 24° C
5.		5.			

MC537: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC537 **Client:** LEA **Immediate Client Services Action Required:** No

Date / Time Received: 5/25/2011 **Delivery Method:** **Client Service Action Required at Login:** No

Project: WILLGOOS **No. Coolers:** 1 **Airbill #'s:** N/A

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC537: Chain of Custody
Page 3 of 3

Reasonable Confidence Protocol
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: **Accutest New England** **Client:** **Loureiro Eng. Associates**

Project Location: **PWCTEH:Willgoos Miscl Sampling** **Project Number:** **68PO141**

Sampling Date(s): **5/24/2011**

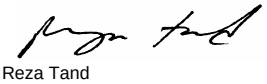
Laboratory Sample ID(s): MC537-1, MC537-2, MC537-3, MC537-4, MC537-5, MC537-6, MC537-7, MC537-8, MC537-9, MC537-10, MC537-11, MC537-12, MC537-13, MC537-14, MC537-15, MC537-16, MC537-17, MC537-18

Methods: SM21 2540 B MOD., SW846 8082, SW846 8270C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes ☑ No ☐
1A	Where all the method specified preservation and holding time requirements met?	Yes ☑ No ☐
1B	VPH and EPH mehods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes ☐ No ☐ NA ☑
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☑ No ☐
3	Were samples received at an appropriate temperature (<6° C)?	Yes ☑ No ☐
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes ☐ No ☑
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes ☐ No ☑
	b) Were these reporting limits met?	Yes ☐ No ☑
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ☑ No ☐
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☑ No ☐

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  Position: Lab Director

Printed Name: Reza Tand Date: 6/8/2011

Accutest New England

Internal Sample Tracking Chronicle

Loureiro Eng. Associates

Job No: MC537

PWCTEH:Willgoos Miscl Sampling
Project No: 68PO141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC537-1 1227955	Collected: 24-MAY-11 14:40 By: NSE		Received: 25-MAY-11 By: JB			
MC537-1	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-1	SW846 8082	31-MAY-11 18:32	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-2 1227956	Collected: 24-MAY-11 14:12 By: NSE		Received: 25-MAY-11 By: JB			
MC537-2	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-2	SW846 8082	31-MAY-11 18:54	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-3 1227957	Collected: 24-MAY-11 14:14 By: NSE		Received: 25-MAY-11 By: JB			
MC537-3	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-3	SW846 8082	31-MAY-11 19:17	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-4 1227958	Collected: 24-MAY-11 14:17 By: NSE		Received: 25-MAY-11 By: JB			
MC537-4	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-4	SW846 8082	01-JUN-11 18:01	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-5 1227959	Collected: 24-MAY-11 14:21 By: NSE		Received: 25-MAY-11 By: JB			
MC537-5	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-5	SW846 8082	31-MAY-11 20:01	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-6 1227960	Collected: 24-MAY-11 14:24 By: NSE		Received: 25-MAY-11 By: JB			
MC537-6	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-6	SW846 8082	01-JUN-11 18:24	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-7 1227961	Collected: 24-MAY-11 14:26 By: NSE		Received: 25-MAY-11 By: JB			
MC537-7	SM21 2540 B MOD.	26-MAY-11	CF			%SOL

Internal Sample Tracking Chronicle

Loureiro Eng. Associates

Job No: MC537

PWCTEH:Willgoos Miscl Sampling
Project No: 68PO141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC537-7	SW846 8082	31-MAY-11 20:45	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-8	Collected: 24-MAY-11 14:30 By: NSE		Received: 25-MAY-11 By: JB			
1227962						
MC537-8	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-8	SW846 8082	31-MAY-11 21:08	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-9	Collected: 24-MAY-11 14:34 By: NSE		Received: 25-MAY-11 By: JB			
1227963						
MC537-9	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-9	SW846 8082	01-JUN-11 17:39	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-10	Collected: 24-MAY-11 14:37 By: NSE		Received: 25-MAY-11 By: JB			
1227964						
MC537-10	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-10	SW846 8082	31-MAY-11 22:14	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-11	Collected: 24-MAY-11 14:44 By: NSE		Received: 25-MAY-11 By: JB			
1227965						
MC537-11	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-11	SW846 8082	31-MAY-11 22:36	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-12	Collected: 24-MAY-11 14:50 By: NSE		Received: 25-MAY-11 By: JB			
1227966						
MC537-12	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-12	SW846 8082	01-JUN-11 18:46	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-13	Collected: 24-MAY-11 14:54 By: NSE		Received: 25-MAY-11 By: JB			
1227967						
MC537-13	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-13	SW846 8082	31-MAY-11 23:21	AP	27-MAY-11	FC	P8082SOXHLETRCP

Internal Sample Tracking Chronicle

Loureiro Eng. Associates

Job No: MC537

PWCTEH:Willgoos Miscl Sampling
Project No: 68PO141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC537-14	Collected: 24-MAY-11 14:59 By: NSE		Received: 25-MAY-11 By: JB			
1227968						
MC537-14	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-14	SW846 8082	31-MAY-11 23:43	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-15	Collected: 24-MAY-11 15:04 By: NSE		Received: 25-MAY-11 By: JB			
1227969						
MC537-15	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-15	SW846 8082	01-JUN-11 00:05	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-16	Collected: 24-MAY-11 15:08 By: NSE		Received: 25-MAY-11 By: JB			
1227970						
MC537-16	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-16	SW846 8082	01-JUN-11 00:27	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-17	Collected: 24-MAY-11 15:11 By: NSE		Received: 25-MAY-11 By: JB			
1227971						
MC537-17	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-17	SW846 8082	01-JUN-11 00:49	AP	27-MAY-11	FC	P8082SOXHLETRCP
MC537-18	Collected: 24-MAY-11 15:40 By: NSE		Received: 25-MAY-11 By: JB			
1227972						
MC537-18	SW846 8270C	31-MAY-11 19:24	PR	27-MAY-11	AJ	AB8270SPLPRCP
MC537-18	SW846 8270C	08-JUN-11 14:56	PR	08-JUN-11	BJ	AB8270SPLPRCP

New England ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-MB	S24357.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	ug/l	
62-53-3	Aniline	ND	10	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	1.2	5.0	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	

Method Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-MB	S24357.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
78-59-1	Isophorone	ND	5.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
82-68-8	Pentachloronitrobenzene	ND	10	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	
110-86-1	Pyridine	ND	10	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	51%	15-110%
4165-62-2	Phenol-d5	32%	15-110%
118-79-6	2,4,6-Tribromophenol	109%	15-110%
4165-60-0	Nitrobenzene-d5	69%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	86%	30-130%

Method Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25158-MB	S24504.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
106-44-5	4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	15-110%
4165-62-2	Phenol-d5	28%	15-110%
118-79-6	2,4,6-Tribromophenol	72%	15-110%
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	77%	30-130%

Leachate Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-LB	S24362.D	1	06/01/11	PR	05/27/11	OP25072	MSS1032

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	ug/l	
62-53-3	Aniline	ND	10	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/l	
85-68-7	Butyl benzyl phthalate	6.3	5.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	1.3	5.0	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	ug/l	
84-66-2	Diethyl phthalate	0.20	5.0	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.5	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	

Leachate Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-LB	S24362.D	1	06/01/11	PR	05/27/11	OP25072	MSS1032

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
78-59-1	Isophorone	ND	5.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
82-68-8	Pentachloronitrobenzene	ND	10	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	
110-86-1	Pyridine	ND	10	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	16%	15-110%
4165-62-2	Phenol-d5	54%	15-110%
118-79-6	2,4,6-Tribromophenol	22%	15-110%
4165-60-0	Nitrobenzene-d5	74%	30-130%
321-60-8	2-Fluorobiphenyl	70%	30-130%
1718-51-0	Terphenyl-d14	91%	30-130%

Leachate Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25158-LB	S24507.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
106-44-5	4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	15-110%
4165-62-2	Phenol-d5	30%	15-110%
118-79-6	2,4,6-Tribromophenol	76%	15-110%
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	80%	30-130%

Blank Spike Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-BS	S24358.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	41.3	83	40-140
208-96-8	Acenaphthylene	50	35.0	70	40-140
62-53-3	Aniline	50	27.6	55	40-140
120-12-7	Anthracene	50	43.3	87	40-140
56-55-3	Benzo(a)anthracene	50	48.4	97	40-140
50-32-8	Benzo(a)pyrene	50	39.9	80	40-140
205-99-2	Benzo(b)fluoranthene	50	42.4	85	40-140
191-24-2	Benzo(g,h,i)perylene	50	44.4	89	40-140
207-08-9	Benzo(k)fluoranthene	50	45.5	91	40-140
101-55-3	4-Bromophenyl phenyl ether	50	48.1	96	40-140
85-68-7	Butyl benzyl phthalate	50	43.7	87	40-140
91-58-7	2-Chloronaphthalene	50	36.9	74	40-140
106-47-8	4-Chloroaniline	50	27.2	54	40-140
86-74-8	Carbazole	50	49.3	99	40-140
218-01-9	Chrysene	50	43.4	87	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	44.8	90	40-140
111-44-4	bis(2-Chloroethyl)ether	50	42.1	84	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	34.2	68	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	39.3	79	40-140
121-14-2	2,4-Dinitrotoluene	50	47.2	94	40-140
606-20-2	2,6-Dinitrotoluene	50	44.4	89	40-140
91-94-1	3,3'-Dichlorobenzidine	50	35.4	71	40-140
53-70-3	Dibenzo(a,h)anthracene	50	49.3	99	40-140
132-64-9	Dibenzofuran	50	40.1	80	40-140
84-74-2	Di-n-butyl phthalate	50	49.4	99	40-140
117-84-0	Di-n-octyl phthalate	50	43.9	88	40-140
84-66-2	Diethyl phthalate	50	44.2	88	40-140
131-11-3	Dimethyl phthalate	50	45.1	90	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.9	94	40-140
206-44-0	Fluoranthene	50	46.3	93	40-140
86-73-7	Fluorene	50	45.2	90	40-140
118-74-1	Hexachlorobenzene	50	53.7	107	40-140
87-68-3	Hexachlorobutadiene	50	20.6	41	40-140
77-47-4	Hexachlorocyclopentadiene	50	11.8	24* [a]	40-140
67-72-1	Hexachloroethane	50	18.7	37* [a]	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	48.3	97	40-140

Blank Spike Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-BS	S24358.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
78-59-1	Isophorone	50	40.5	81	40-140
91-57-6	2-Methylnaphthalene	50	35.2	70	40-140
88-74-4	2-Nitroaniline	50	47.4	95	40-140
99-09-2	3-Nitroaniline	50	33.0	66	40-140
100-01-6	4-Nitroaniline	50	41.0	82	40-140
91-20-3	Naphthalene	50	35.6	71	40-140
98-95-3	Nitrobenzene	50	38.8	78	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	41.8	84	40-140
86-30-6	N-Nitrosodiphenylamine	50	47.7	95	40-140
82-68-8	Pentachloronitrobenzene	50	39.7	79	40-140
85-01-8	Phenanthrene	50	44.0	88	40-140
129-00-0	Pyrene	50	44.1	88	40-140
110-86-1	Pyridine	50	39.3	79	40-140
95-94-3	1,2,4,5-Tetrachlorobenzene	50	30.7	61	40-140
120-82-1	1,2,4-Trichlorobenzene	50	28.6	57	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	65%	15-110%
4165-62-2	Phenol-d5	43%	15-110%
118-79-6	2,4,6-Tribromophenol	132%* [b]	15-110%
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	72%	30-130%
1718-51-0	Terphenyl-d14	93%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Individual spike recoveries within acceptance limits.

Blank Spike Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25158-BS	S24505.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC537-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	100	73.8	74	30-130
59-50-7	4-Chloro-3-methyl phenol	100	82.9	83	30-130
120-83-2	2,4-Dichlorophenol	100	82.3	82	30-130
105-67-9	2,4-Dimethylphenol	100	77.6	78	30-130
51-28-5	2,4-Dinitrophenol	100	61.7	62	30-130
534-52-1	4,6-Dinitro-o-cresol	100	83.4	83	30-130
95-48-7	2-Methylphenol	100	71.0	71	30-130
106-44-5	4-Methylphenol	200	135	68	30-130
88-75-5	2-Nitrophenol	100	81.3	81	30-130
100-02-7	4-Nitrophenol	100	46.9	47	30-130
87-86-5	Pentachlorophenol	100	93.3	93	30-130
108-95-2	Phenol	100	35.6	36	30-130
95-95-4	2,4,5-Trichlorophenol	100	83.3	83	30-130
88-06-2	2,4,6-Trichlorophenol	100	86.2	86	30-130

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	52%	15-110%
4165-62-2	Phenol-d5	34%	15-110%
118-79-6	2,4,6-Tribromophenol	84%	15-110%
4165-60-0	Nitrobenzene-d5	70%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	79%	30-130%

Semivolatile Internal Standard Area Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Check Std: MSS1031-CC1009 **Injection Date:** 05/31/11
Lab File ID: S24343.D **Injection Time:** 11:27
Instrument ID: GCMSS **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	263084	6.46	915977	7.85	553573	10.10	1105320	12.33	1477660	16.70	1430212	18.93
Upper Limit [a]	526168	6.96	1831954	8.35	1107146	10.60	2210640	12.83	2955320	17.20	2860424	19.43
Lower Limit [b]	131542	5.96	457989	7.35	276787	9.60	552660	11.83	738830	16.20	715106	18.43

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	275127	6.46	1015132	7.85	635671	10.10	1269020	12.33	1553855	16.69	1507641	18.93
OP25010-MB	220659	6.46	809128	7.85	501666	10.10	998610	12.33	1221221	16.69	1125490	18.93
OP25010-BS	285708	6.46	1018951	7.85	614884	10.10	1189585	12.33	1549860	16.70	1350650	18.93
ZZZZZZ	231206	6.46	847303	7.85	524059	10.10	1059148	12.33	1304316	16.69	1231962	18.93
ZZZZZZ	253211	6.46	915627	7.85	567202	10.10	1135419	12.33	1437991	16.70	1336844	18.93
ZZZZZZ	243905	6.46	890137	7.85	545077	10.10	1106368	12.33	1383169	16.70	1328146	18.93
ZZZZZZ	238806	6.46	870067	7.85	544171	10.10	1113857	12.33	1368489	16.69	1290205	18.93
ZZZZZZ	223461	6.46	794119	7.85	491005	10.10	975804	12.33	1270578	16.70	1233091	18.93
ZZZZZZ	239350	6.46	868506	7.85	540218	10.10	1078989	12.33	1391912	16.69	1320862	18.93
ZZZZZZ	240755	6.46	889671	7.85	547295	10.10	1103041	12.33	1392922	16.69	1344949	18.93
ZZZZZZ	227052	6.46	833116	7.85	519157	10.10	1037197	12.33	1320551	16.69	1309410	18.93
ZZZZZZ	239548	6.46	892485	7.85	556313	10.10	1105013	12.33	1334489	16.69	1339377	18.93
ZZZZZZ	235148	6.46	856670	7.85	531016	10.10	1061584	12.33	1330222	16.69	1331746	18.93
OP25072-MB	231827	6.46	843519	7.85	522007	10.10	1052248	12.33	1268515	16.69	1309906	18.93
OP25072-BS	236291	6.46	838898	7.85	518656	10.10	1005729	12.33	1270436	16.70	1243743	18.93
MC537-18	248367	6.46	903268	7.85	571231	10.10	1150953	12.33	1369871	16.69	1428910	18.93

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Check Std: MSS1032-CC1009 **Injection Date:** 06/01/11
Lab File ID: S24361.D **Injection Time:** 10:29
Instrument ID: GCMSS **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	250839	6.46	887128	7.86	547385	10.10	1080765	12.33	1386803	16.70	1326733	18.93
Upper Limit [a]	501678	6.96	1774256	8.36	1094770	10.60	2161530	12.83	2773606	17.20	2653466	19.43
Lower Limit [b]	125420	5.96	443564	7.36	273693	9.60	540383	11.83	693402	16.20	663367	18.43

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP25072-LB	298574	6.46	1111230	7.86	708895	10.10	1443408	12.33	1642804	16.70	1622761	18.93
ZZZZZZ	367599	6.46	1359796	7.86	859198	10.10	1751070	12.33	2000778	16.70	1985462	18.93
ZZZZZZ	269902	6.46	1005714	7.86	623968	10.10	1284842	12.33	1520846	16.70	1558273	18.93
ZZZZZZ	362324	6.47	1370035	7.86	876809	10.10	1772628	12.33	2011821	16.70	2000495	18.93
ZZZZZZ	565334[c]	6.47	2084010[c]	7.86	1311582[c]	10.11	2664537[c]	12.33	2942288[c]	16.70	2802847[c]	18.93
ZZZZZZ	371269	6.47	1452319	7.86	889498	10.11	1749457	12.33	1954369	16.70	1813859	18.93
ZZZZZZ	290332	6.47	1137389	7.86	688995	10.11	1368663	12.33	1598531	16.70	1592303	18.93
ZZZZZZ	284711	6.47	1071531	7.86	663104	10.11	1363380	12.33	1570713	16.70	1542493	18.93

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Semivolatile Internal Standard Area Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Check Std: MSS1040-CC1034 **Injection Date:** 06/08/11
Lab File ID: S24500.D **Injection Time:** 10:32
Instrument ID: GCMSS **Method:** SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	246843	6.45	875714	7.83	536397	10.08	1067696	12.30	1394953	16.67	1425805	18.90
Upper Limit [a]	493686	6.95	1751428	8.33	1072794	10.58	2135392	12.80	2789906	17.17	2851610	19.40
Lower Limit [b]	123422	5.95	437857	7.33	268199	9.58	533848	11.80	697477	16.17	712903	18.40

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	221773	6.45	780806	7.83	483085	10.08	917417	12.30	1185367	16.66	1234153	18.89
OP25158-MB	205992	6.45	762248	7.83	473929	10.07	959400	12.30	1197386	16.66	1210858	18.89
OP25158-BS	292049	6.45	1022105	7.83	638776	10.08	1236695	12.30	1592228	16.67	1600481	18.90
OP25158-LB	237408	6.45	877110	7.83	548181	10.07	1103405	12.30	1355843	16.66	1340280	18.90
MC537-18	238849	6.45	869875	7.83	543809	10.07	1076562	12.30	1344086	16.66	1332252	18.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Method: SW846 8270C **Matrix:** LEACHATE

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC537-18	S24508.D	71.0	59.0	80.0	71.0	71.0	81.0
MC537-18	S24359.D	0.0* [a]	0.0* [a]	0.0* [a]	73.0	72.0	85.0
OP25072-BS	S24358.D	65.0	43.0	132.0* [b]	81.0	72.0	93.0
OP25072-LB	S24362.D	16.0	54.0	22.0	74.0	70.0	91.0
OP25072-MB	S24357.D	51.0	32.0	109.0	69.0	66.0	86.0
OP25158-BS	S24505.D	52.0	34.0	84.0	70.0	66.0	79.0
OP25158-LB	S24507.D	49.0	30.0	76.0	67.0	66.0	80.0
OP25158-MB	S24504.D	47.0	28.0	72.0	67.0	66.0	77.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

(a) Outside control limits due to possible spiking error. Sample re-extracted/reanalyzed.
(b) Outside control limits. Individual spike recoveries within acceptance limits.

New England ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25070-MB	BE26437.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503

The QC reported here applies to the following samples: **Method:** SW846 8082

MC537-1, MC537-2, MC537-3, MC537-4, MC537-5, MC537-6, MC537-7, MC537-8, MC537-9, MC537-10, MC537-11, MC537-12, MC537-13, MC537-14, MC537-15, MC537-16, MC537-17

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	99	ug/kg	
11104-28-2	Aroclor 1221	ND	99	ug/kg	
11141-16-5	Aroclor 1232	ND	99	ug/kg	
53469-21-9	Aroclor 1242	ND	99	ug/kg	
12672-29-6	Aroclor 1248	ND	99	ug/kg	
11097-69-1	Aroclor 1254	ND	99	ug/kg	
11096-82-5	Aroclor 1260	ND	99	ug/kg	
37324-23-5	Aroclor 1262	ND	99	ug/kg	
11100-14-4	Aroclor 1268	ND	99	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	113%	30-150%
877-09-8	Tetrachloro-m-xylene	110%	30-150%
2051-24-3	Decachlorobiphenyl	111%	30-150%
2051-24-3	Decachlorobiphenyl	85%	30-150%

Blank Spike Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25070-BS	BE26438.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503

The QC reported here applies to the following samples: **Method:** SW846 8082

MC537-1, MC537-2, MC537-3, MC537-4, MC537-5, MC537-6, MC537-7, MC537-8, MC537-9, MC537-10, MC537-11, MC537-12, MC537-13, MC537-14, MC537-15, MC537-16, MC537-17

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	265	324	122	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	265	340	128	40-140
37324-23-5	Aroclor 1262		ND		40-140
11100-14-4	Aroclor 1268		ND		40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	111%	30-150%
877-09-8	Tetrachloro-m-xylene	113%	30-150%
2051-24-3	Decachlorobiphenyl	112%	30-150%
2051-24-3	Decachlorobiphenyl	92%	30-150%

Semivolatile Surrogate Recovery Summary

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH:Willgoos Miscl Sampling

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC537-1	BE26439.D	125.0	124.0	124.0	104.0
MC537-2	BE26440.D	131.0	130.0	125.0	114.0
MC537-3	BE26441.D	111.0	106.0	83.0	94.0
MC537-4	BE26493.D	98.0	115.0	100.0	102.0
MC537-5	BE26443.D	114.0	109.0	117.0	105.0
MC537-6	BE26494.D	118.0	118.0	103.0	104.0
MC537-7	BE26445.D	118.0	116.0	116.0	106.0
MC537-8	BE26446.D	116.0	115.0	128.0	116.0
MC537-9	BE26492.D	133.0	130.0	121.0	124.0
MC537-10	BE26449.D	135.0	126.0	141.0	133.0
MC537-11	BE26450.D	114.0	114.0	122.0	116.0
MC537-12	BE26495.D	127.0	127.0	113.0	115.0
MC537-13	BE26452.D	113.0	111.0	117.0	111.0
MC537-14	BE26453.D	105.0	105.0	108.0	103.0
MC537-15	BE26454.D	89.0	102.0	105.0	100.0
MC537-16	BE26455.D	136.0	134.0	140.0	136.0
MC537-17	BE26456.D	108.0	107.0	113.0	107.0
OP25070-BS	BE26438.D	111.0	113.0	112.0	92.0
OP25070-MB	BE26437.D	113.0	110.0	111.0	85.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-150%
S2 = Decachlorobiphenyl	30-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

New England ACCUTEST LABORATORIES

02/19/13

Technical Report for

Loureiro Eng. Associates

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

68PQ126

Accutest Job Number: MC7395

Sampling Date: 01/20/12

Report to:

Loureiro Eng. Associates

dcbrisson@loureiro.com

ATTN: David Brisson

Total number of pages in report: **65**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

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Sample Summary

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Project No: 68PQ126

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC7395-1	01/20/12	12:00	NSE	01/20/12	SO	Solid	1248827
MC7395-2	01/20/12	12:03	NSE	01/20/12	SO	Solid	1248828
MC7395-3	01/20/12	12:07	NSE	01/20/12	SO	Solid	1248829
MC7395-4	01/20/12	12:11	NSE	01/20/12	SO	Solid	1248830
MC7395-5	01/20/12	12:15	NSE	01/20/12	SO	Solid	1248831
MC7395-6	01/20/12	12:19	NSE	01/20/12	SO	Solid	1248832
MC7395-7	01/20/12	12:20	NSE	01/20/12	SO	Solid	1248833
MC7395-8	01/20/12	12:25	NSE	01/20/12	SO	Solid	1248834
MC7395-9	01/20/12	12:29	NSE	01/20/12	SO	Solid	1248835
MC7395-10	01/20/12	12:32	NSE	01/20/12	SO	Solid	1248836
MC7395-11	01/20/12	12:36	NSE	01/20/12	SO	Solid	1248837
MC7395-12	01/20/12	12:40	NSE	01/20/12	SO	Solid	1248838
MC7395-13	01/20/12	12:43	NSE	01/20/12	SO	Solid	1248839

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Project No: 68PQ126

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC7395-14	01/20/12	12:45	NSE	01/20/12	SO	Solid	1248840
MC7395-15	01/20/12	12:50	NSE	01/20/12	SO	Solid	1248841
MC7395-16	01/20/12	12:54	NSE	01/20/12	SO	Solid	1248842
MC7395-17	01/20/12	12:57	NSE	01/20/12	SO	Solid	1248843
MC7395-18	01/20/12	13:04	NSE	01/20/12	SO	Solid	1248844
MC7395-19	01/20/12	13:10	NSE	01/20/12	SO	Solid	1248845
MC7395-20	01/20/12	13:14	NSE	01/20/12	SO	Solid	1248846
MC7395-21	01/20/12	13:19	NSE	01/20/12	SO	Solid	1248847
MC7395-22	01/20/12	13:25	NSE	01/20/12	SO	Solid	1248848
MC7395-23	01/20/12	13:30	NSE	01/20/12	SO	Solid	1248849
MC7395-24	01/20/12	13:34	NSE	01/20/12	SO	Solid	1248850
MC7395-25	01/20/12	13:41	NSE	01/20/12	SO	Solid	1248851
MC7395-26	01/20/12	13:47	NSE	01/20/12	SO	Solid	1248852

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Project No: 68PQ126

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC7395-27	01/20/12	13:51	NSE	01/20/12	SO	Solid	1248853
MC7395-28	01/20/12	14:00	NSE	01/20/12	SO	Solid	1248854
MC7395-29	01/20/12	14:06	NSE	01/20/12	SO	Solid	1248855
MC7395-30	01/20/12	14:11	NSE	01/20/12	SO	Solid	1249109
MC7395-31	01/20/12	14:16	NSE	01/20/12	SO	Solid	1249110
MC7395-32	01/20/12	14:20	NSE	01/20/12	SO	Solid	1249111
MC7395-33	01/20/12	14:24	NSE	01/20/12	SO	Solid	1249112
MC7395-34	01/20/12	14:30	NSE	01/20/12	SO	Solid	1249113
MC7395-35	01/20/12	14:37	NSE	01/20/12	SO	Solid	1249114
MC7395-36	01/20/12	14:44	NSE	01/20/12	SO	Solid	1249115
MC7395-37	01/20/12	14:50	NSE	01/20/12	SO	Solid	1249116
MC7395-38	01/20/12	15:01	NSE	01/20/12	SO	Solid	1249117
MC7395-39	01/20/12	15:07	NSE	01/20/12	SO	Solid	1249118

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Project No: 68PQ126

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC7395-40	01/20/12	15:11	NSE	01/20/12	SO	Solid	1249119
MC7395-41	01/20/12	15:14	NSE	01/20/12	SO	Solid	1249120
MC7395-42	01/20/12	15:30	NSE	01/20/12	SO	Solid	1249121
MC7395-43	01/20/12	15:37	NSE	01/20/12	SO	Solid	1249122

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Loureiro Eng. Associates **Job No** MC7395

Site: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartfor **Report Date** 1/30/2012 1:27:07 PM

43 Sample(s) were collected on 01/20/2012 and were received at Accutest on 01/20/2012 properly preserved, at 1.1 Deg. C and intact. These Samples received an Accutest job number of MC7395. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8082

Matrix: SO **Batch ID:** OP27674

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC7395-4, MC7395-8 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range. Estimated value due to the presence of other Arochlor pattern.
- MC7395-1 to -6, -8, -10, -13, -14, -15, -17 to -20 for Tetrachloro-m-xylene, Decachlorobiphenyl: Outside control limits due to dilution.
- MC7395-7, -9, to -12 for Aroclor 1260: Estimated value due to the presence of other Arochlor pattern.
- MC7395-13, -14, -15, -17 to -20 for Aroclor 1254: Estimated value due to the presence of other Arochlor pattern.

Matrix: SO **Batch ID:** OP27686

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC7395-23 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range. Estimated value due to the presence of other Arochlor pattern.
- MC7395-22, -23, -25 to -29 for Tetrachloro-m-xylene: Outside control limits due to possible matrix interference.
- MC7395-24, -28 for Decachlorobiphenyl: Outside control limits due to possible matrix interference.
- MC7395-21 to -35, -37 to -40 for Tetrachloro-m-xylene, Decachlorobiphenyl: Outside control limits due to dilution.
- MC7395-21, -22, -24 to -35 for Aroclor 1254: Estimated value due to the presence of other Arochlor pattern.
- MC7395-36, -37 for Aroclor 1260: Estimated value due to the presence of other Arochlor pattern.
- OP27686-BS for Tetrachloro-m-xylene: Outside control limits.Confirmed by reanalysis.

Matrix: SO **Batch ID:** OP27687

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MC7395-16 for Aroclor 1254: Estimated value due to the presence of other Arochlor pattern.
- MC7395-42 for Aroclor 1260: Estimated value due to the presence of other Arochlor pattern.
- MC7395-16, -41, -43 for Decachlorobiphenyl, Tetrachloro-m-xylene: Outside control limits due to dilution.
- MC7395-16 for Decachlorobiphenyl: Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix: SO	Batch ID: GN37626

- Sample(s) MC7395-14DUP were used as the QC samples for Solids, Percent.

Matrix: SO	Batch ID: GN37628

- Sample(s) MC7395-40DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC7395).

Summary of Hits

Job Number: MC7395
Account: Loureiro Eng. Associates
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Collected: 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-1	**1248827**					
Aroclor 1254		195000	59000		ug/kg	SW846 8082
MC7395-2	**1248828**					
Aroclor 1254		1690000	280000		ug/kg	SW846 8082
MC7395-3	**1248829**					
Aroclor 1254		540000	300000		ug/kg	SW846 8082
MC7395-4	**1248830**					
Aroclor 1254		205000	57000		ug/kg	SW846 8082
Aroclor 1260 [a]		11000 E	290		ug/kg	SW846 8082
MC7395-5	**1248831**					
Aroclor 1254		867000	290000		ug/kg	SW846 8082
MC7395-6	**1248832**					
Aroclor 1254		31900	14000		ug/kg	SW846 8082
MC7395-7	**1248833**					
Aroclor 1254		7280	2900		ug/kg	SW846 8082
Aroclor 1260 [a]		1370	290		ug/kg	SW846 8082
MC7395-8	**1248834**					
Aroclor 1254		17000	6000		ug/kg	SW846 8082
Aroclor 1260 [a]		2950 E	300		ug/kg	SW846 8082
MC7395-9	**1248835**					
Aroclor 1254		4320	1400		ug/kg	SW846 8082
Aroclor 1260 [a]		791	290		ug/kg	SW846 8082
MC7395-10	**1248836**					
Aroclor 1254		40000	12000		ug/kg	SW846 8082
Aroclor 1260 [a]		15400	12000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395
Account: Loureiro Eng. Associates
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Collected: 01/20/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-11	**1248837**					
Aroclor 1254		1730	300		ug/kg	SW846 8082
Aroclor 1260 [a]		815	300		ug/kg	SW846 8082
MC7395-12	**1248838**					
Aroclor 1254		6010	1500		ug/kg	SW846 8082
Aroclor 1260 [a]		668	300		ug/kg	SW846 8082
MC7395-13	**1248839**					
Aroclor 1254 [a]		85500	30000		ug/kg	SW846 8082
Aroclor 1260		196000	30000		ug/kg	SW846 8082
MC7395-14	**1248840**					
Aroclor 1254 [a]		65700	28000		ug/kg	SW846 8082
Aroclor 1260		155000	28000		ug/kg	SW846 8082
MC7395-15	**1248841**					
Aroclor 1254 [a]		17300	12000		ug/kg	SW846 8082
Aroclor 1260		52600	12000		ug/kg	SW846 8082
MC7395-16	**1248842**					
Aroclor 1254 [a]		179000	110000		ug/kg	SW846 8082
Aroclor 1260		471000	110000		ug/kg	SW846 8082
MC7395-17	**1248843**					
Aroclor 1254 [a]		55300	29000		ug/kg	SW846 8082
Aroclor 1260		97600	29000		ug/kg	SW846 8082
MC7395-18	**1248844**					
Aroclor 1254 [a]		33000	15000		ug/kg	SW846 8082
Aroclor 1260		77400	15000		ug/kg	SW846 8082
MC7395-19	**1248845**					
Aroclor 1254 [a]		18300	12000		ug/kg	SW846 8082
Aroclor 1260		51200	12000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395
Account: Loureiro Eng. Associates
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Collected: 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-20	**1248846**					
Aroclor 1254 [a]		25200	14000		ug/kg	SW846 8082
Aroclor 1260		76100	14000		ug/kg	SW846 8082
MC7395-21	**1248847**					
Aroclor 1254 [a]		28000	15000		ug/kg	SW846 8082
Aroclor 1260		113000	30000		ug/kg	SW846 8082
MC7395-22	**1248848**					
Aroclor 1254 [a]		30000	29000		ug/kg	SW846 8082
Aroclor 1260		82800	29000		ug/kg	SW846 8082
MC7395-23	**1248849**					
Aroclor 1254 [a]		84600 E	6100		ug/kg	SW846 8082
Aroclor 1260		327000	150000		ug/kg	SW846 8082
MC7395-24	**1248850**					
Aroclor 1254 [a]		408000	140000		ug/kg	SW846 8082
Aroclor 1260		1450000	1400000		ug/kg	SW846 8082
MC7395-25	**1248851**					
Aroclor 1254 [a]		17400	2900		ug/kg	SW846 8082
Aroclor 1260		103000	29000		ug/kg	SW846 8082
MC7395-26	**1248852**					
Aroclor 1254 [a]		76500	31000		ug/kg	SW846 8082
Aroclor 1260		356000	160000		ug/kg	SW846 8082
MC7395-27	**1248853**					
Aroclor 1260		398000	160000		ug/kg	SW846 8082
MC7395-28	**1248854**					
Aroclor 1254 [a]		324000	150000		ug/kg	SW846 8082
Aroclor 1260		1600000	1500000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395
Account: Loureiro Eng. Associates
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Collected: 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-29	**1248855**					
Aroclor 1254 [a]		40000	16000		ug/kg	SW846 8082
Aroclor 1260		105000	16000		ug/kg	SW846 8082
MC7395-30	**1249109**					
Aroclor 1254 [a]		21200	6000		ug/kg	SW846 8082
Aroclor 1260		87100	30000		ug/kg	SW846 8082
MC7395-31	**1249110**					
Aroclor 1254 [a]		35200	30000		ug/kg	SW846 8082
Aroclor 1260		103000	30000		ug/kg	SW846 8082
MC7395-32	**1249111**					
Aroclor 1254 [a]		25400	16000		ug/kg	SW846 8082
Aroclor 1260		33700	16000		ug/kg	SW846 8082
MC7395-33	**1249112**					
Aroclor 1254 [a]		47600	30000		ug/kg	SW846 8082
Aroclor 1260		86500	30000		ug/kg	SW846 8082
MC7395-34	**1249113**					
Aroclor 1254 [a]		152000	78000		ug/kg	SW846 8082
Aroclor 1260		394000	78000		ug/kg	SW846 8082
MC7395-35	**1249114**					
Aroclor 1254 [a]		36400	14000		ug/kg	SW846 8082
Aroclor 1260		48700	14000		ug/kg	SW846 8082
MC7395-36	**1249115**					
Aroclor 1254		14000	2900		ug/kg	SW846 8082
Aroclor 1260 [a]		9000	2900		ug/kg	SW846 8082
MC7395-37	**1249116**					
Aroclor 1254		68600	15000		ug/kg	SW846 8082
Aroclor 1260 [a]		27700	15000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395
Account: Loureiro Eng. Associates
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Collected: 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-38	**1249117**					
Aroclor 1254		37000	12000		ug/kg	SW846 8082
MC7395-39	**1249118**					
Aroclor 1254		19000	5900		ug/kg	SW846 8082
MC7395-40	**1249119**					
Aroclor 1254		262000	61000		ug/kg	SW846 8082
MC7395-41	**1249120**					
Aroclor 1254		32700	12000		ug/kg	SW846 8082
MC7395-42	**1249121**					
Aroclor 1254		2640	1200		ug/kg	SW846 8082
Aroclor 1260 [a]		617	310		ug/kg	SW846 8082
MC7395-43	**1249122**					
Aroclor 1260		19900	5900		ug/kg	SW846 8082

(a) Estimated value due to the presence of other Arochlor pattern.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 1248827
Lab Sample ID: MC7395-1 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 97.2
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71004.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71053.D	200	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.23 g	10.0 ml
Run #2	5.23 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	195000 [a]	59000	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	89%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	92%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	92%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248828
Lab Sample ID: MC7395-2 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 97.2
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71005.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71054.D	1000	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.48 g	10.0 ml
Run #2	5.48 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	1690000 [a]	280000	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	96%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	95%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	93%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248829
Lab Sample ID: MC7395-3 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 97.7
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71006.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71055.D	1000	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.15 g	10.0 ml
Run #2	5.15 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	540000 [a]	300000	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	89%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	100%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	81%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248830		
Lab Sample ID:	MC7395-4	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.9
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71007.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71056.D	200	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.40 g	10.0 ml
Run #2	5.40 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	205000 [a]	57000	ug/kg	
11096-82-5	Aroclor 1260 [b]	11000	290	ug/kg	E
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	83%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	84%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	78%	0% [c]	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248831
Lab Sample ID: MC7395-5 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 97.0
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71008.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71058.D	1000	01/27/12	CZ	01/25/12	OP27674	GYZ6667

	Initial Weight	Final Volume
Run #1	5.27 g	10.0 ml
Run #2	5.27 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	867000 [a]	290000	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	87%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	94%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248832
Lab Sample ID: MC7395-6 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 96.6
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71009.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71059.D	50	01/27/12	CZ	01/25/12	OP27674	GYZ6667

	Initial Weight	Final Volume
Run #1	5.50 g	10.0 ml
Run #2	5.50 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	31900 [a]	14000	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	101%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	98%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248833
Lab Sample ID: MC7395-7 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 95.9
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71010.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71036.D	10	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.31 g	10.0 ml
Run #2	5.31 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	7280 [a]	2900	ug/kg	
11096-82-5	Aroclor 1260 [b]	1370	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	104%	30-150%
877-09-8	Tetrachloro-m-xylene	89%	104%	30-150%
2051-24-3	Decachlorobiphenyl	95%	122%	30-150%
2051-24-3	Decachlorobiphenyl	91%	116%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248834		
Lab Sample ID:	MC7395-8	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.3
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71011.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71037.D	20	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.26 g	10.0 ml
Run #2	5.26 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	17000 [a]	6000	ug/kg	
11096-82-5	Aroclor 1260 [b]	2950	300	ug/kg	E
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	104%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [c]	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248835
Lab Sample ID: MC7395-9 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 94.7
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71038.D	1	01/27/12	CZ	01/25/12	OP27674	GYZ6666
Run #2	YZ71039.D	5	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.47 g	10.0 ml
Run #2	5.47 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	4320 [a]	1400	ug/kg	
11096-82-5	Aroclor 1260 [b]	791	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%	102%	30-150%
877-09-8	Tetrachloro-m-xylene	103%	92%	30-150%
2051-24-3	Decachlorobiphenyl	102%	110%	30-150%
2051-24-3	Decachlorobiphenyl	105%	109%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248836		
Lab Sample ID:	MC7395-10	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.0
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71014.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71040.D	40	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.20 g	10.0 ml
Run #2	5.20 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	40000 [a]	12000	ug/kg	
11096-82-5	Aroclor 1260 [b]	15400 [a]	12000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	90%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	99%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	101%	0% [c]	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248837		
Lab Sample ID:	MC7395-11	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	94.7
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71015.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71041.D	1	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.24 g	10.0 ml
Run #2	5.24 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	1730 [a]	300	ug/kg	
11096-82-5	Aroclor 1260 [b]	815 [a]	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	93%	30-150%
877-09-8	Tetrachloro-m-xylene	77%	87%	30-150%
2051-24-3	Decachlorobiphenyl	83%	91%	30-150%
2051-24-3	Decachlorobiphenyl	84%	92%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248838		
Lab Sample ID:	MC7395-12	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9524.D	1	01/29/12	AP	01/25/12	OP27674	GBK382
Run #2	YZ71042.D	5	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.17 g	10.0 ml
Run #2	5.17 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	6010 [a]	1500	ug/kg	
11096-82-5	Aroclor 1260 [b]	668	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	117%	30-150%
877-09-8	Tetrachloro-m-xylene	129%	115%	30-150%
2051-24-3	Decachlorobiphenyl	95%	123%	30-150%
2051-24-3	Decachlorobiphenyl	95%	124%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248839		
Lab Sample ID:	MC7395-13	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.5
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71017.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71043.D	100	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.18 g	10.0 ml
Run #2	5.18 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	85500 [b]	30000	ug/kg	
11096-82-5	Aroclor 1260	196000 [b]	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	82%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	126%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	121%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248840		
Lab Sample ID:	MC7395-14	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.6
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71018.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71044.D	100	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.50 g	10.0 ml
Run #2	5.50 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 [a]	65700 [b]	28000	ug/kg	
11096-82-5	Aroclor 1260	155000 [b]	28000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	88%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	95%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	92%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248841		
Lab Sample ID:	MC7395-15	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.2
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71019.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71045.D	40	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.34 g	10.0 ml
Run #2	5.34 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 [a]	17300 [b]	12000	ug/kg	
11096-82-5	Aroclor 1260	52600 [b]	12000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	74%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248842		
Lab Sample ID:	MC7395-16	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.6
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71092.D	1	01/28/12	CZ	01/27/12	OP27687	GYZ6668
Run #2	YZ71093.D	400	01/28/12	CZ	01/27/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.51 g	10.0 ml
Run #2	5.51 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 [a]	179000 [b]	110000	ug/kg	
11096-82-5	Aroclor 1260	471000 [b]	110000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	121%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	180% [d]	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	182% [d]	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.
(d) Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248843		
Lab Sample ID:	MC7395-17	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.3
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71021.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71048.D	100	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.37 g	10.0 ml
Run #2	5.37 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 [a]	55300 [b]	29000	ug/kg	
11096-82-5	Aroclor 1260	97600 [b]	29000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	97%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	101%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	102%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248844		
Lab Sample ID:	MC7395-18	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.3
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71022.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71049.D	50	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.06 g	10.0 ml
Run #2	5.06 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 [a]	33000 [b]	15000	ug/kg	
11096-82-5	Aroclor 1260	77400 [b]	15000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	98%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	103%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	105%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248845		
Lab Sample ID:	MC7395-19	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71024.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71050.D	40	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.20 g	10.0 ml
Run #2	5.20 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	18300 [b]	12000	ug/kg	
11096-82-5	Aroclor 1260	51200 [b]	12000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	87%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	103%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	130%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248846		
Lab Sample ID:	MC7395-20	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.5
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71025.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71051.D	50	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.44 g	10.0 ml
Run #2	5.44 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 [a]	25200 [b]	14000	ug/kg	
11096-82-5	Aroclor 1260	76100 [b]	14000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	97%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	103%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248847
Lab Sample ID: MC7395-21 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 94.1
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9457.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9481.D	50	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9482.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.23 g	10.0 ml
Run #2	5.23 g	10.0 ml
Run #3	5.23 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	28000 [b]	15000	ug/kg	
11096-82-5	Aroclor 1260	113000 [c]	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	83%	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	94%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	116%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248848		
Lab Sample ID:	MC7395-22	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	97.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9459.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9483.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.27 g	10.0 ml
Run #2	5.27 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 [a]	30000 [b]	29000	ug/kg	
11096-82-5	Aroclor 1260	82800 [b]	29000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	9% [d]	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	85%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	117%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.
(d) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248849
Lab Sample ID: MC7395-23 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 96.5
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9460.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9485.D	20	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9486.D	500	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.10 g	10.0 ml
Run #2	5.10 g	10.0 ml
Run #3	5.10 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	84600 [b]	6100	ug/kg	E
11096-82-5	Aroclor 1260	327000 [c]	150000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	8% [e]	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	79%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	138%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	122%	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248850		
Lab Sample ID:	MC7395-24	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.5
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9462.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9487.D	500	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9488.D	5000	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.61 g	10.0 ml
Run #2	5.61 g	10.0 ml
Run #3	5.61 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 [a]	408000 [b]	140000	ug/kg	
11096-82-5	Aroclor 1260	1450000 [c]	1400000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	67%	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	87%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	212% [e]	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	193% [e]	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248851
Lab Sample ID: MC7395-25 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 95.8
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9463.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9489.D	10	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9490.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.45 g	10.0 ml
Run #2	5.45 g	10.0 ml
Run #3	5.45 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 [a]	17400 [b]	2900	ug/kg	
11096-82-5	Aroclor 1260	103000 [c]	29000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	8% [d]	6% [d]	0% [e]	30-150%
877-09-8	Tetrachloro-m-xylene	80%	90%	0% [e]	30-150%
2051-24-3	Decachlorobiphenyl	104%	141%	0% [e]	30-150%
2051-24-3	Decachlorobiphenyl	99%	120%	0% [e]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to matrix interference. Confirmed by reanalysis.
(e) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248852		
Lab Sample ID:	MC7395-26	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.6
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9464.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9492.D	100	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9493.D	500	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.06 g	10.0 ml
Run #2	5.06 g	10.0 ml
Run #3	5.06 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 [a]	76500 [b]	31000	ug/kg	
11096-82-5	Aroclor 1260	356000 [c]	160000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	13% [e]	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	78%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	121%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	100%	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1248853
Lab Sample ID: MC7395-27 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 94.0
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9465.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9494.D	100	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9495.D	500	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.08 g	10.0 ml
Run #2	5.08 g	10.0 ml
Run #3	5.08 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 [a]	12600 [b]	31000	ug/kg	
11096-82-5	Aroclor 1260	398000 [c]	160000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	14% [e]	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	99%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	136%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	119%	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248854		
Lab Sample ID:	MC7395-28	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	93.9
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9466.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9496.D	500	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9497.D	5000	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.24 g	10.0 ml
Run #2	5.24 g	10.0 ml
Run #3	5.24 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	324000 [b]	150000	ug/kg	
11096-82-5	Aroclor 1260	1600000 [c]	1500000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	10% [e]	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	94%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	203% [e]	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	177% [e]	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1248855		
Lab Sample ID:	MC7395-29	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	94.2
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9467.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9498.D	50	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.06 g	10.0 ml
Run #2	5.06 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 [a]	40000 [b]	16000	ug/kg	
11096-82-5	Aroclor 1260	105000 [b]	16000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	9% [d]	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	78%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	94%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.
(d) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1249109
Lab Sample ID: MC7395-30 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 96.3
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9468.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9499.D	20	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9500.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.16 g	10.0 ml
Run #2	5.16 g	10.0 ml
Run #3	5.16 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	21200 [b]	6000	ug/kg	
11096-82-5	Aroclor 1260	87100 [c]	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	80%	0% [d]	0% [d]	30-150%
877-09-8	Tetrachloro-m-xylene	112%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% [d]	0% [d]	30-150%
2051-24-3	Decachlorobiphenyl	87%	0% [d]	0% [d]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249110		
Lab Sample ID:	MC7395-31	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.0
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71060.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71078.D	100	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.21 g	10.0 ml
Run #2	5.21 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	35200 [b]	30000	ug/kg	
11096-82-5	Aroclor 1260	103000 [b]	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	100%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249111		
Lab Sample ID:	MC7395-32	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	93.9
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71061.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71079.D	50	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.13 g	10.0 ml
Run #2	5.13 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 [a]	25400 [b]	16000	ug/kg	
11096-82-5	Aroclor 1260	33700 [b]	16000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	126%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	120%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	117%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	118%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249112		
Lab Sample ID:	MC7395-33	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71062.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71080.D	100	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.33 g	10.0 ml
Run #2	5.33 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 [a]	47600 [b]	30000	ug/kg	
11096-82-5	Aroclor 1260	86500 [b]	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	121%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	111%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	121%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	117%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249113		
Lab Sample ID:	MC7395-34	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.5
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71063.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71081.D	250	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.03 g	10.0 ml
Run #2	5.03 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 [a]	152000 [b]	78000	ug/kg	
11096-82-5	Aroclor 1260	394000 [b]	78000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	112%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249114		
Lab Sample ID:	MC7395-35	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.3
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71064.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71082.D	50	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.57 g	10.0 ml
Run #2	5.57 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 [a]	36400 [b]	14000	ug/kg	
11096-82-5	Aroclor 1260	48700 [b]	14000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	97%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	111%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	106%	0% [c]	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249115		
Lab Sample ID:	MC7395-36	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71065.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71083.D	10	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.42 g	10.0 ml
Run #2	5.42 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	14000 [a]	2900	ug/kg	
11096-82-5	Aroclor 1260 [b]	9000 [a]	2900	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%	89%	30-150%
877-09-8	Tetrachloro-m-xylene	120%	91%	30-150%
2051-24-3	Decachlorobiphenyl	115%	121%	30-150%
2051-24-3	Decachlorobiphenyl	111%	124%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249116		
Lab Sample ID:	MC7395-37	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.4
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71066.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71084.D	50	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.19 g	10.0 ml
Run #2	5.19 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	68600 [a]	15000	ug/kg	
11096-82-5	Aroclor 1260 [b]	27700 [a]	15000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	0% [c]	30-150%
877-09-8	Tetrachloro-m-xylene	117%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% [c]	30-150%
2051-24-3	Decachlorobiphenyl	108%	0% [c]	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.
(c) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249117		
Lab Sample ID:	MC7395-38	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.7
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71067.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71085.D	40	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.05 g	10.0 ml
Run #2	5.05 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	37000 [a]	12000	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	114%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249118		
Lab Sample ID:	MC7395-39	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.7
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71069.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71087.D	20	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.35 g	10.0 ml
Run #2	5.35 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	19000 [a]	5900	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	72%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1249119
Lab Sample ID: MC7395-40 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 93.9
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71070.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71088.D	200	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.25 g	10.0 ml
Run #2	5.25 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	262000 [a]	61000	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	102%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	113%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 1249120
Lab Sample ID: MC7395-41 **Date Sampled:** 01/20/12
Matrix: SO - Solid **Date Received:** 01/20/12
Method: SW846 8082 SW846 3540C **Percent Solids:** 95.1
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71073.D	1	01/27/12	CZ	01/26/12	OP27687	GYZ6667
Run #2	YZ71089.D	40	01/28/12	CZ	01/26/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.17 g	10.0 ml
Run #2	5.17 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	32700 [a]	12000	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	111%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	108%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	110%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249121		
Lab Sample ID:	MC7395-42	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	96.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71074.D	1	01/27/12	CZ	01/26/12	OP27687	GYZ6667
Run #2	YZ71090.D	4	01/28/12	CZ	01/26/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.08 g	10.0 ml
Run #2	5.08 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	2640 [a]	1200	ug/kg	
11096-82-5	Aroclor 1260 [b]	617	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	110%	30-150%
877-09-8	Tetrachloro-m-xylene	73%	116%	30-150%
2051-24-3	Decachlorobiphenyl	106%	117%	30-150%
2051-24-3	Decachlorobiphenyl	106%	120%	30-150%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Arochlor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1249122		
Lab Sample ID:	MC7395-43	**Date Sampled:**	01/20/12
Matrix:	SO - Solid	**Date Received:**	01/20/12
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71075.D	1	01/27/12	CZ	01/26/12	OP27687	GYZ6667
Run #2	YZ71091.D	20	01/28/12	CZ	01/26/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.38 g	10.0 ml
Run #2	5.38 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	ND	290	ug/kg	
11096-82-5	Aroclor 1260	19900 [a]	5900	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	0% [b]	30-150%
877-09-8	Tetrachloro-m-xylene	102%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	106%	0% [b]	30-150%
2051-24-3	Decachlorobiphenyl	101%	0% [b]	30-150%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- RCP Form

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC7395

Client / Reporting Information

Company Name: LEA
Street Address: 100 Northwest Dr
City State Zip: Plainville CT
Project Contact E-mail: D. Brisson
Phone # Fax #: 860 747 6181
Sampler(s) Name(s) Phone #: DCB/NSE

Project Information

Project Name: PWEM Wilgoos Demo Assistance
Street:
City: East Hartford
Project #: 68P01216
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address: Same
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

PCBs Soil Lists

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
MC7395-1	1248827		1/20/12	1200	NSE	SOL	1					X					
-2	1248828			1203								X					
-3	1248829			1207								X					
-4	1248830			1211								X					
-5	1248831			1215								X					
-6	1248832			1219								X					
-7	1248833			1220								X					
-8	1248834			1225								X					
-9	1248835			1229								X					
-10	1248836			1232								X					
-11	1248837			1236								X					
-12	1248838		1/20/12	1240	NSE	SOL						X					

Data Deliverable Information

- Turnaround Time (Business days)
  - Approved By (Accutest PM): / Date:
  - Std. 10 Business Days
  - Std. 5 Business Days (By Contract only)
  - 5 Day *RUSH*
  - 3 Day *EMERGENCY*
  - 2 Day *EMERGENCY*
  - 1 Day *EMERGENCY*
  - Emergency & Rush TA data available VIA Labtink
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other
- Commercial "A" = Results Only
- Commercial "B" = Results + QC Summary

Comments / Special Instructions

Loc. 9A 9F

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	1-20-12 1435	1	2	1-20-12 1815	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp.
5		5					

5.1 5

MC7395: Chain of Custody
Page 1 of 5

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 2 OF 4

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC7395

Client / Reporting Information

Company Name: LSA
Street Address: 100 Northwood Dr
City: Plainville State: CT Zip: 06062
Project Contact: D. Brisson E-mail:
Phone #: 860 747 6181 Fax #:
Sampler(s) Name(s): JCB / NSF Phone #:

Project Information

Project Name: PWSA Willgoos Demo Assistance.
Street:
City: E Hartford
Project#: 08PQ126
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address: Same
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

PCB Soxhlets.

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
MC7395																	
-13	1248839		1/20/12	1243	OB	SOL	1					X					
-14	1248840			1245								X					
-15	1248841			1250								X					
-16	1248842			1254								X					
-17	1248843			1257								X					
-18	1248844			1304								X					
-19	1248845			1310								X					
-20	1248846			1314								X					
-21	1248847			1319								X					
-22	1248848			1325								X					
-23	1248849			1330								X					
-24	1248850		1/20/12	1334	OB	SOL	1					X					

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [x] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	1-20-12 1400	1	2 B.C	1-20-12 1837	2 B.C
3		3	4		4
5		5	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp.

MC7395: Chain of Custody
Page 2 of 5

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

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495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 3 OF 5

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC7395

Client / Reporting Information

Company Name: LEA
Street Address: 100 Northwest Dr
City: Plainville State: CT Zip:
Project Contact: D. Brisson E-mail:
Phone #: 860 747 6181 Fax #:
Sampler(s) Name(s): DCB / NSE Phone #:

Project Information

Project Name: PWSH Willgoos Demo Assist
Street:
City: E. Hartford
Project #: 108P0126
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: Same State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

PCB Soxhlets

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

MC Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial#	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
~~24~~ 25	1248851		1/20/12	1341	DCB	Soil	1					X					
26	1248852			1347								X					
27	1248853			1351								X					
28	1248854			1400								X					
29	1248855			1406								X					
30	1249109			1411								X					
31	1249110			1416								X					
32	1249111			1420								X					
33	1249112			1424								X					
34	1249113			1430								X					
35	1249114			1437								X					
36	1249115		1/20/12	1444	DCB	Soil	1					X					

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [X] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1-20-12 1421	1	2	1-20-12 1532	2
3			3	4		4

	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp.
5			5				☑	

MC7395: Chain of Custody
Page 3 of 5

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

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495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 4 OF 4

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC7395

Client / Reporting Information

Company Name: LEA
Street Address: 100 New Drive
City: Plainville State: CT Zip:
Project Contact: D. Brisson E-mail:
Phone #: Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: Pwtb Willard Demo Assist
Street:
City: E. Hartford
Project#: 68P01216
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

PCB Soxhlets

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-37	124916		1/20/12	1430	CG	SOL	1					X					
-38	124917			1501			1					X					
-39	124918			1507			1					X					
-40	124919			1511			1					X					
-41	124920			1514			1					X					
-42	124921			1530			1					X					
-43	124922		1/20/12	1537	DB	SOL	1					X					

Turnaround Time (Business days) — Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush TAT data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time: 1-20-12 1430	Received By: 1	Relinquished By: 2	Date Time: 1-20-12 1830	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☐ On Ice ☐ Cooler Temp.

MC7395: Chain of Custody
Page 4 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC7395 **Client:** LEA **Immediate Client Services Action Required:** No

Date / Time Received: 1/20/2012 **Delivery Method:** **Client Service Action Required at Login:** No

Project: WILGOOS **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC7395: Chain of Custody
Page 5 of 5

Reasonable Confidence Protocol
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: **Accutest New England** **Client:** **Loureiro Eng. Associates**

Project Location: **PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT** **Project Number:** **68PQ126**

Sampling Date(s): **1/20/2012**

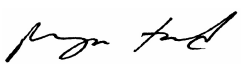
Laboratory Sample ID(s): MC7395-1, MC7395-2, MC7395-3, MC7395-4, MC7395-5, MC7395-6, MC7395-7, MC7395-8, MC7395-9, MC7395-10, MC7395-11, MC7395-12, MC7395-13, MC7395-14, MC7395-15, MC7395-16, MC7395-17, MC7395-18, MC7395-19, MC7395-20, MC7395-21, MC7395-22, MC7395-23, MC7395-24, MC7395-25, MC7395-26, MC7395-27, MC7395-28, MC7395-29, MC7395-30, MC7395-31, MC7395-32, MC7395-33, MC7395-34, MC7395-35, MC7395-36, MC7395-37, MC7395-38, MC7395-39, MC7395-40, MC7395-41, MC7395-42, MC7395-43

Methods: SM21 2540 B MOD., SW846 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes ☑ No ☐
1A	Where all the method specified preservation and holding time requirements met?	Yes ☑ No ☐
1B	VPH and EPH mehods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes ☐ No ☐ NA ☑
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☑ No ☐
3	Were samples received at an appropriate temperature (<6° C)?	Yes ☑ No ☐
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes ☐ No ☑
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes ☐ No ☑
	b) Were these reporting limits met?	Yes ☐ No ☑
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ☑ No ☐
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☑ No ☐

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  Position: Lab Director

Printed Name: Reza Tand, Accutest New England Date: 1/30/2012

Report Date:
01-Apr-13 14:51

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
Attn: David Brisson

Project: Willgoos X-210 - East Hartford, CT
Project #: 68PO369

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB66776-01	1267328	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-02	1267329	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-03	1267330	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-04	1267331	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-05	1267332	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-06	1267333	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-07	1267334	Concrete	28-Mar-13 00:00	28-Mar-13 15:43

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Loureiro Engineering Associates - Plainville, CT

Project Location: Willgoos X-210 - East Hartford, CT

Project Number: 68PO369

Sampling Date(s):
3/28/2013

Laboratory Sample ID(s):
SB66776-01 through SB66776-07

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 4/1/2013

CASE NARRATIVE:

The samples were received 4.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267328	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.7		µg/kg dry	64.7	32.3	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 64.7		µg/kg dry	64.7	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.7		µg/kg dry	64.7	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.7		µg/kg dry	64.7	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.7		µg/kg dry	64.7	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.7		µg/kg dry	64.7	53.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**97.0**		µg/kg dry	64.7	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.7		µg/kg dry	64.7	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.7		µg/kg dry	64.7	20.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.6**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307030	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267329	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.2		µg/kg dry	59.2	29.6	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 59.2		µg/kg dry	59.2	53.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.2		µg/kg dry	59.2	38.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.2		µg/kg dry	59.2	34.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.2		µg/kg dry	59.2	29.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.2		µg/kg dry	59.2	49.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**625**		µg/kg dry	59.2	36.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.2		µg/kg dry	59.2	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.2		µg/kg dry	59.2	18.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.3**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267330	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	33.4	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.8		µg/kg dry	66.8	55.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**558**		µg/kg dry	66.8	29.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	21.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.3**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267331	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 72.1		µg/kg dry	72.1	36.0	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 72.1		µg/kg dry	72.1	64.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 72.1		µg/kg dry	72.1	46.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 72.1		µg/kg dry	72.1	42.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 72.1		µg/kg dry	72.1	35.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 72.1		µg/kg dry	72.1	60.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**1,310**		µg/kg dry	72.1	32.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 72.1		µg/kg dry	72.1	67.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 72.1		µg/kg dry	72.1	22.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.8**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267332	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 68.4		µg/kg dry	68.4	34.2	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 68.4		µg/kg dry	68.4	61.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.4		µg/kg dry	68.4	43.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.4		µg/kg dry	68.4	40.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.4		µg/kg dry	68.4	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.4		µg/kg dry	68.4	57.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**640**		µg/kg dry	68.4	30.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.4		µg/kg dry	68.4	63.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.4		µg/kg dry	68.4	21.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.0**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267333	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.1		µg/kg dry	55.1	27.5	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 55.1		µg/kg dry	55.1	49.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.1		µg/kg dry	55.1	35.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.1		µg/kg dry	55.1	32.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.1		µg/kg dry	55.1	27.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.1		µg/kg dry	55.1	45.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**1,150**		µg/kg dry	55.1	24.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.1		µg/kg dry	55.1	51.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.1		µg/kg dry	55.1	17.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.2**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1267334	68PO369	Concrete	28-Mar-13 00:00	28-Mar-13
SB66776-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.8		µg/kg dry	56.8	28.4	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 56.8		µg/kg dry	56.8	51.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.8		µg/kg dry	56.8	36.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.8		µg/kg dry	56.8	33.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.8		µg/kg dry	56.8	27.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.8		µg/kg dry	56.8	47.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**1,300**		µg/kg dry	56.8	25.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.8		µg/kg dry	56.8	52.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.8		µg/kg dry	56.8	17.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.1**		%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1306972 - SW846 3540C										
Blank (1306972-BLK1)					Prepared: 28-Mar-13 Analyzed: 29-Mar-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
LCS (1306972-BS1)					Prepared: 28-Mar-13 Analyzed: 29-Mar-13					
Aroclor-1016	**840**		µg/kg wet	66.7	833		101	40-140		
Aroclor-1016 [2C]	**770**		µg/kg wet	66.7	833		92	40-140		
Aroclor-1260	**750**		µg/kg wet	66.7	833		90	40-140		
Aroclor-1260 [2C]	**750**		µg/kg wet	66.7	833		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
LCS Dup (1306972-BSD1)					Prepared: 28-Mar-13 Analyzed: 29-Mar-13					
Aroclor-1016	**840**		µg/kg wet	66.7	833		101	40-140	0	30
Aroclor-1016 [2C]	**750**		µg/kg wet	66.7	833		90	40-140	3	30
Aroclor-1260	**757**		µg/kg wet	66.7	833		91	40-140	0.9	30
Aroclor-1260 [2C]	**827**		µg/kg wet	66.7	833		99	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Duplicate (1306972-DUP1)			**Source: SB66776-01**		Prepared: 28-Mar-13 Analyzed: 29-Mar-13					
Aroclor-1016	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1016 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1221	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1221 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1232	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1232 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1242	< 60.9		µg/kg dry	60.9		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1306972 - SW846 3540C										
Duplicate (1306972-DUP1)			**Source: SB66776-01**			Prepared: 28-Mar-13 Analyzed: 29-Mar-13				
Aroclor-1242 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1248	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1248 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1254	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1254 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1260	**100**		µg/kg dry	60.9		97.0			3	30
Aroclor-1260 [2C]	**94.4**		µg/kg dry	60.9		104			9	30
Aroclor-1262	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1262 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1268	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1268 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*57.8*		µg/kg dry		*60.9*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*54.8*		µg/kg dry		*60.9*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.9*		µg/kg dry		*60.9*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.9*		µg/kg dry		*60.9*		*100*	*30-150*		
Matrix Spike (1306972-MS1)			**Source: SB66776-01**			Prepared: 28-Mar-13 Analyzed: 29-Mar-13				
Aroclor-1016	**758**		µg/kg dry	67.4	843	BRL	90	40-140		
Aroclor-1016 [2C]	**688**		µg/kg dry	67.4	843	BRL	82	40-140		
Aroclor-1260	**853**		µg/kg dry	67.4	843	97.0	90	40-140		
Aroclor-1260 [2C]	**785**		µg/kg dry	67.4	843	104	81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*67.4*		µg/kg dry		*67.4*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*64.0*		µg/kg dry		*67.4*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*77.5*		µg/kg dry		*67.4*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*74.1*		µg/kg dry		*67.4*		*110*	*30-150*		
Matrix Spike Dup (1306972-MSD1)			**Source: SB66776-01**			Prepared: 28-Mar-13 Analyzed: 29-Mar-13				
Aroclor-1016	**623**		µg/kg dry	59.4	742	BRL	84	40-140	7	30
Aroclor-1016 [2C]	**558**		µg/kg dry	59.4	742	BRL	75	40-140	8	30
Aroclor-1260	**721**		µg/kg dry	59.4	742	97.0	84	40-140	6	30
Aroclor-1260 [2C]	**718**		µg/kg dry	59.4	742	104	83	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*50.5*		µg/kg dry		*59.4*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*50.5*		µg/kg dry		*59.4*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*59.4*		µg/kg dry		*59.4*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*59.4*		µg/kg dry		*59.4*		*100*	*30-150*		

Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

SB66776

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48 hr
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Dave Brisson
100 Northwest Dr
Plainville CT 06062
Telephone #: (860) 747-6181
Project Mgr.

Invoice To:
P.O. No.: RQN:

Project No.: 68P0369
Site Name: Willgoos X 210
Location: East Hartford State: CT
Sampler(s): Nate

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCB Soxhlet							QA/QC Reporting Notes
66776-01	1267328	3/28/13		G	X1		1			X							
02	1267329						1			X							
03	1267330						1			X							
04	1267331		NA				1			X							
05	1267332						1			X							
06	1267333						1			X							
07	1267334	3/28/13		G	X1		1			X							

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Nathan Emmons		3.28.13	1740	
Beata		3/28/13	1543	14.0

☐ EDD Format
☐ E-mail to

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Batch Summary

1306972

Semivolatile Organic Compounds by GC

1306972-BLK1
1306972-BS1
1306972-BSD1
1306972-DUP1
1306972-MS1
1306972-MSD1
SB66776-01 (1267328)
SB66776-02 (1267329)
SB66776-03 (1267330)
SB66776-04 (1267331)
SB66776-05 (1267332)
SB66776-06 (1267333)
SB66776-07 (1267334)

1307030

General Chemistry Parameters

SB66776-01 (1267328)

1307031

General Chemistry Parameters

SB66776-02 (1267329)
SB66776-03 (1267330)
SB66776-04 (1267331)
SB66776-05 (1267332)
SB66776-06 (1267333)
SB66776-07 (1267334)

S215592

Semivolatile Organic Compounds by GC

S215592-CAL1
S215592-CAL2
S215592-CAL3
S215592-CAL4
S215592-CAL5
S215592-CAL6
S215592-CAL7
S215592-CAL8
S215592-CAL9
S215592-CALA
S215592-CALB
S215592-CALC
S215592-CALD
S215592-CALE
S215592-CALF
S215592-CALG
S215592-CALH
S215592-CALI
S215592-CALJ
S215592-CALK
S215592-CALL
S215592-CALM
S215592-CALN
S215592-CALO
S215592-CALP
S215592-CALQ
S215592-CALR
S215592-CALS
S215592-CALT
S215592-CALU
S215592-ICV1
S215592-ICV2
S215592-ICV3
S215592-ICV4
S215592-ICV5
S215592-ICV6
S215592-LCV1
S215592-LCV2
S215592-LCV3
S215592-LCV4
S215592-LCV5
S215592-LCV6

S303439

Semivolatile Organic Compounds by GC

S303439-CCV1
S303439-CCV2
S303439-CCV3
S303439-IBL1
S303439-IBL2
S303439-IBL3

APPENDIX C

Disposal Documentation

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTD 000 845 131
2. Page 1 of: 1 of 1
3. Emergency Response Phone: (860)565-1111
4. Manifest Tracking Number: 007960310 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: United Industrial Services, Inc.
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716)754-8231
Facility's Phone:
U.S. EPA ID Number: NYD 22-2011 879

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII	001	CM	EST 13,327	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171 / PCB Concrete rec'd 13209K Out of Service: 11-22-11
8164578
P&W Tracking: 12520
WIMS: 801440 CAN. 2028 Gross: 70,170 Tare: 40,800 Net: 29,370
Emergency Response (860)565-1111 P&W Fire Headquarters

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Mark H. Hoff
Signature:
Month: 12 Day: 14 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: David Bost Sr
Signature:
Month: 12 Day: 14 Year: 11
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4. 12-14-2011

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski
Signature:
Month: 12 Day: 15 Year: 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/15/11 as described on Shipping Document number 007960310JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164957801
CWM Unit #: 1*0
Disposal Date: 12/15/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351272
12/16/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTD 000 845 131
2. Page 1 of: 1 of 1
3. Emergency Response Phone: (860)565-1111
4. Manifest Tracking Number: 007960304 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: United Industrial Services, Inc.
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716)754-8231
U.S. EPA ID Number: NYD 049 836 679

9a HM	9b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII	001	CM	12,574	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171 / PCB Concrete 816 49492
Out of Service: 11/22/11
recd 12256K
Emergency Response: (860)565-1111 P&W Fire Headquarters
P&W Tracking: 12572
WIMS: 801441 CAN: 2025 Gross: 68,460 Tare: 40,740 Net: 27,720

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Mark H. Hoff
Signature:
Month: 12 Day: 12 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Darryl Best Sr
Signature:
Month: 12 Day: 12 Year: 11
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parhnck
Signature:
Month: 12 Day: 13 Year: 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/13/11 as described on Shipping Document number 007960304JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164949201
CWM Unit #: 1*0
Disposal Date: 12/13/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351198
12/14/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	007960305 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name
United Industrial Services, Inc.
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716)754-8231
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13 Waste Codes
X	1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII	001	CM	10,474 Est	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171 / PCB Concrete recd 10315K 81649509
Out of Service: 11-22-11
P&W Tracking: 12513
WIMS: 801442 CAN: 20105 Gross: 61,840 (Estimated) Tare: 38,750 Net: 23,090 (Estimated)
Emergency Response: (860)565-1111 P&W Fire Headquarters

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Mark H. Hoff
Signature:
Month 12 Day 12 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ted Lukasik
Signature:
Month 12 Day 12 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski
Signature: Jody Parfinski
Month 12 Day 14 Year 11

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/14/11 as described on Shipping Document number 007960305JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164950901
CWM Unit #: 1*0
Disposal Date: 12/14/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351213
12/14/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	007960309 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: United Industrial Services, Inc.
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716)754-8231
U.S. EPA ID Number: NYD 049 836 679

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13 Waste Codes
X	1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII	001	CM	12,941 Est	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171 / PCB Concrete 81649586 Out of Service: 12-2-11 12/2/11
P&W Tracking: 12519 recd 13191K Estimated 9 12/16/11
WIMS: 802176 CAN: 20104 Gross: 68,280 Tare: 39,750 Net: 28,530
Emergency Response: (860)565-1111 P&W Fire Headquarters

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Mark H. Hoff
Signature
Month 12 Day 15 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ted Lukasik
Signature
Month 12 Day 15 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

SIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19 Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski
Signature
Month 12 Day 16 Year 11

8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/16/11 as described on Shipping Document number 007960309JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164958601
CWM Unit #: 1*0
Disposal Date: 12/16/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351279
12/19/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTD 000 845 131
2. Page 1 of: 1 of 1
3. Emergency Response Phone: (860)565-1111
4. Manifest Tracking Number: 007960324 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: United Industrial Services, Inc.
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716)754-8231
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1 RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII	001	CM	10,451 Est	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: 8164968 TRD 103402K
1. NY302232/ P&W 6234/ ERG171 / PCB Concrete
Out of Service: 12/2/11 Estimated
Emergency Response (860)565-1111 P&W Fire Headquarters
P&W Tracking: 12536
WIMS: 802177 CAN: 20100 Gross: 64,040 Tare: 41,000 Net: 23,040 Estimated

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Mark H. Hoff
Signature:
Month: 12 Day: 19 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Darryl East Sr.
Signature:
Month: 12 Day: 19 Year: 11
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

SIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Debra Hooker
Signature:
Month: 12 Day: 22 Year: 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/20/11 as described on Shipping Document number 007960324JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164968601
CWM Unit #: 1*0
Disposal Date: 12/20/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351415
12/21/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	009809719 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Haz Mat Environmental Group. U.S. EPA ID Number: NYD 980 769 947

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	CM	11,900	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234a/ ERG171/PCB Concrete/Soils 8165 8565
Emergency Response: (860)565-1111 P&W Fire Headquarters
P&W Tracking: 14047 rec'd 11757 Out of Service: 12-11-12
WIMS: 837939 CAN: 3026 Gross: 69860 Tare: 43,680 Net: 26180

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jason H. Miller On behalf of P&W by ~~Mark H. Hoff~~ Signature: _____ Month: 12 Day: 17 Year: 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.: _____

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Edward Hahn Signature: _____ Month: 12 Day: 17 Year: 12

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfinski Signature: _____ Month: 12 Day: 18 Year: 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/18/12 as described on Shipping Document number 009809719JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8165856501
CWM Unit #: 1*0
Disposal Date: 12/18/12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 362412
12/19/12

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	009809718 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Haz Mat Environmental Group — U.S. EPA ID Number: NYD 980 769 947

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	CM	15,604.5	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234a/ ERG171/PCB Concrete/Soils 8165856Y
Emergency Response: (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14047 recd 14833k Out of Service: 12-11-12
WIMS: 837940 CAN: 3039 Gross: 76660 Tare: 42360 Net: 34,300 lbs

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by ~~Mark H. Reff~~ Jason H. Miller — Signature — Month 12 Day 17 Year 12

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: GRANT Williams — Signature: Grant Williams — Month 12 Day 17 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Perfinski — Signature: Jody Perfinski — Month 12 Day 18 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/18/12 as described on Shipping Document number 009809718JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8165856401
CWM Unit #: 1*0
Disposal Date: 12/18/12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 362411
12/19/12

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	009809730 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: United Industrial Services, Inc.
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	CM	16121	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1 NY302232/ P&W 6234A/ ERG171/PCB Concrete/Soils 81658940 Emergency Response (860)565-1111 P&W Fire Headquarters
P&W Tracking: 1403
WIMS 83794/ CAN: 3024 Gross: 80340 recd 16584K Tare: 44800 Out of Service: 12-12-12 Net: 35540

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Mark H. Hoff
Signature:
Month: 01 Day: 09 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARC DeLaVALLE
Signature:
Month: 01 Day: 09 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfinski
Signature: Jody Parfinski
Month: 1 Day: 18 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 01/08/13 as described on Shipping Document number 009809730JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8165894001
CWM Unit #: 1*0
Disposal Date: 01/08/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 362841
01/09/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

>50 200/209/210 Wall

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009809945 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name
~~Tradebe Transportation, LLC~~ Page, E.K., Inc.

U.S. EPA ID Number
NYD986969947 ~~CTD 021 810 885~~

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:

U.S. EPA ID Number
NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	21237	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils rec'd 21192k
Emergency Response: (860)565-1111
P&W Fire Headquarters
P&W Tracking: 1427 SR# 999902 Out of Service: 3/21/13 81660389
WIMS 846002 CAN: DT-6528 Gross: 80,320 Tare: 33,500 Net: 46,820

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle
Signature: Richard R Houle
Month: 3 Day: 21 Year: 13

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Montague
Signature: Mike Montague
Month: 03 Day: 21 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfinski
Signature: Jody Parfinski
Month: 3 Day: 22 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/22/13 as described on Shipping Document number 009809945JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166058901
CWM Unit #: 1*0
Disposal Date: 03/22/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364888
03/25/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

750 gm 208/209/210 : Wall

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009809944 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: ~~Tradebe Transportation, LLC~~ Page E.T.C., Inc. — U.S. EPA ID Number: NYD986969947 ~~CTD 021 816 082~~

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	21,528	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
SR 999902
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils rec'd 21564 K
Emergency Response: (860)565-1111 P&W Fire Headquarters
P&W Tracking: L4269
Out of Service: 3/21/13 8160388
WIMS: 846003 CAN: 01-4169 Gross: 81460 Tare: 34000 Net: 47460

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month 3 Day 21 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Curt LePoint — Signature: Curt LePoint — Month 3 Day 21 Year 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski — Signature: Jody Parfinski — Month 3 Day 22 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/22/13 as described on Shipping Document number 009809944JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166058801
CWM Unit #: 1*0
Disposal Date: 03/22/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364887
03/25/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210
>50ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1of1	(860)565-1111	009809956 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.I.C., Inc. — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: SRH100006714 NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	~~TM~~ ~~GM~~ DT	20430	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1 NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils recd 20539K
Emergency Response (860)565-1111 P&W Fire Headquarters
P&W Tracking: 14282
Out of Service: 3/27/13 8/6/6632
WIMS: 81223 CAN: DT-9461 Gross: 80,240 Tare: 35,200 Net: 45,040

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature — Month 3 Day 27 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: John A Zellers Jr. — Signature — Month 3 Day 27 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfinski — Signature — Month 3 Day 28 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809956JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166063801
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364949
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208|209|210 WG11

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009809957 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: ~~Rage PD~~ Tradebe Transportation LLC — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	(TANK) CM PT	20539	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils
P&W Tracking: 14283
WIMS 946224 CAN: 07-01 Gross: 79560 Tare: 34280 Net: 45280
recd 20602K
Emergency Response (860)565-1111
P&W Fire Headquarters
Out of Service: 3/27/13 8166023

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature — Month 3 Day 27 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Marc DeLaValle — Signature — Month 3 Day 27 Year 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Partnski — Signature: Jody Partnski — Month 3 Day 28 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809957JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166063301
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364944
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 W4 11 (6

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTD 000 845 131
2. Page 1 of: 1 of 1
3. Emergency Response Phone: (860)565-1111
4. Manifest Tracking Number: 009809958 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page ETC., Inc.
U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	~~CM~~ ~~CW~~ ~~CF~~ ~~CM~~ DT	21,029	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
SA#1000674
Emergency Response: (860)565-1111
P&W Fire Headquarters
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils Fed 2 1437K Out of Service 3/27/13 8166063
P&W Tracking: ~~14285~~ 14284
WIMS: 846225 CAN: OT-6570 Gross: 79,360 Tare: 33,000 Net: 46360

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle
Signature: Richard R. Houle
Month 3 Day 27 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☒ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William Keem
Signature:
Month 3 Day 27 Year 13
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Partinok
Signature: Jody Partinok
Month 3 Day 28 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809958JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166063901
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364950
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 wall (5)
>50 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009809959 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	~~CM~~ DT	20,766	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils Recd 20575K
Emergency Response (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14285
Out of Service: 3/27/13 816060 40
WIMS: 84626 CAN: DT-9463 Gross: 80,380 Tare: 34,600 Net: 45780

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R. Houle — Month 3 Day 27 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Andrew L Anderson — Signature: — Month 3 Day 27 Year 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Partinski — Signature: Jody Partinski. — Month 3 Day 28 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809959JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166064001
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364951
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

203/209/210
>50 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810504 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD980969947

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	22235	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils recd 22789K
Emergency Response: (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14287
Out of Service: 4/11/13 8/66066
WIMS 847287 CAN OT-7636 Gross: 80,020 Tare: 31,000 Net: 49,020

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature — Month 4 Day 1 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Shane Amidon — Signature — Month 4 Day 1 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfnicki — Signature: Jody Parfnicki — Month 4 Day 12 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810504JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166066301
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364986
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

< 750 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	009810505 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	20,503	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils rccd 21002K
Emergency Response: (860)565-1111 P&W Fire Headquarters
P&W Tracking: 14388
Out of Service: 4/1/13 8166067
WIMS: 817288 CAN: 07-9922 Gross: 79,200 Tare: 34,000 Net: 45,200

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month: 4 Day: 1 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gregory Gaudin — Signature: Gregory Gaudin. — Month: 4 Day: 1 Year: 13

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfinski — Signature: Jody Parfinski — Month: 4 Day: 2 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810505JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166067201
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364994
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 >50 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTD 000 845 131
2. Page 1 of: 1 of 1
3. Emergency Response Phone: (860)565-1111
4. Manifest Tracking Number: 009810506 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Tradebe Transportation, LLC
U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	19886	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils
recd 2004 OK
Emergency Response:(860)565-1111
P&W Fire Headquarters: 4/1/13 81660667
P&W Tracking: 14289
WIMS: 847289 CAN: DT-03 Gross: 79,740 Tare: 35,900 Out of Service: Net: 43,840

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle
Signature: Richard R. Houle
Month: 4 Day: 1 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Peter D. Palma
Signature: Peter D. Palma
Month: 04 Day: 1 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Padfinski
Signature: Jody Padfinski
Month: 4 Day: 2 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810506JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166066701
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364990
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 Wall
> 50 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810507 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Trade be Transportation, LLC — U.S. EPA ID Number: CTD 021816 889

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	20575	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils recd 21473K
Emergency Response: (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14296 Out of Service: 4/11/13 8166066
WIMS: 847290 CAN: 01-01 Gross: 79640 Tare: 34280 Net: 45360

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
On behalf of P&W by Richard R. Houle		4	1	13

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
MARC DELLAVALLE		4	1	13
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Jody Parfinski	Jody Parfinski	4	2	13

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810507JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166066601
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364989
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210
>50 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CTD 000 845 131	1 of 1	(860)565-1111	009810517 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD 986969947

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	19,804	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils
P&W Tracking: 14314 recd 19559 K
WIMS 81729/ CAN: DT-3359 Gross: 79,160 Tare: 35,500 Net: 43,660
Emergency Response: (860)565-1111
P&W Fire Headquarters
Out of Service: 4/2/13 8166069

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month: 4 Day: 2 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: POLIGNIS FUGLE — Signature: [signature] — Month: 4 Day: 2 Year: 13
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
H132 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Partinski — Signature: [signature] — Month: 4 Day: 15 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810517JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166069001
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365008
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208, 209, 210 > 50 ppm
wall

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810518 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD986969547

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	20,530	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils perCI 20548K
Emergency Response (860)565-1111 P&W Fire Headquarters
P&W Tracking: 14315
Out of Service: 4/2/13 8146069
WIMS 847292 CAN: OT-9466 Gross: 77,260 Tare: 32,000 Net: 45,260

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month: 4 Day: 2 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Biscewski Sr. — Signature — Month: 4 Day: 2 Year: 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Pavlinsk — Signature — Month: 4 Day: 3 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810518JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166069101
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365009
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

2 08/209,210 >50ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810519 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	29,076	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils rec'd 20321K
Emergency Response (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14316
Out of Service: 4/2/13 8160687
WIMS: 87293 CAN: DT-5294 Gross: 80,060 Tare: 35,800 Net: 44260

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month: 4 Day: 2 Year: 13

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kris Van Nostrand — Signature — Month: 4 Day: 2 Year: 13
Transporter 2/Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Partinski — Signature: Jody Partinski — Month: 4 Day: 3 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810519JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166068701
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365005
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 >50ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810520 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108
Generator's Phone: (860)565-8339

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc. — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	19,741	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils rec'd 20902K
Emergency Response: (860)565-1111 P&W Fire Headquarters
P&W Tracking: 14317
Out of Service: 4/2/13 8160697
WIMS: 847294 CAN: OT-1678 Gross: 78360 Tare: 34840 Net: 43520

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: [signature] — Month 4 Day 2 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Bickler — Signature: [signature] — Month 4 Day 2 Year 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Partnski — Signature: [signature] — Month 4 Day 3 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810520JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166069701
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365014
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

DT- >50ppm 208/09/210

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTD 000 845 131
2. Page 1 of: 1of1
3. Emergency Response Phone: (860)565-1111
4. Manifest Tracking Number: 009810555 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page E.T.C., Inc.
U.S. EPA ID Number: NYD931969947

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	21,782	K	B007 CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils SR# 100196-2 rec'd 21673K
Emergency Response: (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14337
Out of Service: 4/8/13 8/1660/24
WIMS: 848049 CAN: DT-9464 Gross: 78520 Tare: 30,500 Net: 48020

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle
Signature: Richard R Houle
Month: 4 Day: 8 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ERIC Schieble
Signature: Eric Schieble
Month: 4 Day: 08 Year: 13
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jody Parfinski
Signature: Jody Parfinski
Month: 4 Day: 9 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/09/13 as described on Shipping Document number 009810555JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166072101
CWM Unit #: 1*0
Disposal Date: 04/09/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365061
04/10/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

DT- 208/209/210 >50ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810556 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Page, ETC, Inc. — U.S. EPA ID Number: NYD986969947

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone:
U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	Est 22,716	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils SR 100196-1
Emergency Response (860)565-1111
P&W Fire Headquarters 8/660720
P&W Tracking: 14338 recd 22825K Out of Service: 4/8/13
WIMS: 848050 CAN: DT-4784 Gross: 81080 Tare: 31000 Net: 50080

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month 4 Day 8 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: John Schieble — Signature: John Schieble — Month 4 Day 8 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Parfinski — Signature: Jody Parfinski — Month 4 Day 9 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/09/13 as described on Shipping Document number 009810556JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166072001
CWM Unit #: 1*0
Disposal Date: 04/09/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365060
04/10/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

JSO 20812091210

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTD 000 845 131	1 of 1	(860)565-1111	009810522 JJK

GENERATOR

5. Generator's Name and Mailing Address
Pratt & Whitney (MS 122-22)
400 Main Street
East Hartford, CT 06108 (860)565-8339
Generator's Phone:

Generator's Site Address (if different than mailing address)
Pratt & Whitney-Willgoos
Pent Road
East Hartford, CT 06108

6. Transporter 1 Company Name: Tradebe Transportation, LLC — U.S. EPA ID Number: CTD 021 816 889

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CW Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107 (716) 286-1550
Facility's Phone: — U.S. EPA ID Number: NYD 049 836 679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	EST 16,293	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils recd 19840K
Emergency Response: (860)565-1111
P&W Fire Headquarters
P&W Tracking: 14319
Out of Service: 4/8/13 8/16/0715
WIMS: 84805 1 CAN: 01-03 Gross: 79,340 Tare: 43,420 Net: 35,920

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle — Signature: Richard R Houle — Month 4 Day 8 Year 13

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Peter DiPalma — Signature: Peter D. Palma — Month 04 Day 08 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty est actual recd 19840K
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jody Perfetski — Signature: Jody Perfetski — Month 4 Day 9 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

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Profile Number: NY302232
CWM Tracking ID: 8166071501
CWM Unit #: 1*0
Disposal Date: 04/09/13

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MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365055
04/10/13

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